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### STATISTICAL REFERENCE OF

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DEPARTMENT, OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C. Minister

F. A. MACDOUGALL
Deputy Minister



A

Government

### STATISTICAL REFERENCE

OF

### LANDS AND FORESTS

ADMINISTRATION

1966

**OPERATIONS BRANCH** 



DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C. Minister

F. A. MACDOUGALL Deputy Minister

# NEW POLICES

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### **FOREWORD**

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1965 season and are subject to correction in the Annual Report for the year ending March 31st, 1966.

### PREMIERS OF ONTARIO SINCE CONFEDERATION

	From	To
Hon. John Sandfield		
Macdonald	July 16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec. 20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat	Oct. 25, 1872	July 9, 1896
Hon. A.S. Hardy	July 25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct. 21, 1899	Feb. 7, 1905
Hon. Sir J.P. Whitney	Feb. 8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard	100. 0, 1000	2000. 20, 212
	Oct. 2, 1914	Nov. 14, 1919
Hearst		July 16, 1923
Hon. Ernest Chas. Drury	Nov. 14, 1919	Dec. 15, 1930
Hon. G.H. Ferguson	July 16, 1923	
Hon. G.S. Henry	Dec. 15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn	July 10, 1934	Aug. 21, 1942
Hon. G.D. Conant	Oct. 21, 1942	May 18, 1943
Hon. H.C. Nixon	May 18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug. 17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy	Oct. 19, 1948	May 4, 1949
Hon. Leslie M. Frost	May 4, 1949	Nov. 8, 1961
Hon. John P. Robarts	Nov. 8, 1961	
ANDIE O DIE A . AND DATED	2107. 0, 2002	

### COMMISSIONERS AND MINISTERS SINCE 1827

	F	ron	1		То		
Hon. Peter Robinson			1827	July	14.	1836	
Hon. R.B. Sullivan	July		1836	June	30,	1841	
Hon. John Davidson	July			Oct.	12,	1842	
Hon. A.N. Morin	Oct.	13,		Dec.	11,	1843	
Hon. D.B. Papineau	Sept.			Dec.	7,	1847	
•		,					
Sir John A. MacDonald	Dec.	8,		Mar.	10,	1848	
Hon. J.H. Price	Mar.		1848	Oct.	27,	1851	
Hon. John Rolph	Oct.	28,		Aug.	17,	1853	
Hon. Louis V. Sicotte	Aug.	17,		Aug.	26,	1853	
Hon. A.N. Morin	Aug.	31,	1853	Jan.	26,	1855	
Hon. Jos. Cauchon	Jan.	27,	1855	April	30	1857	
Sir E.P. Tache	June		1857	Nov.			
Hon. Louis V. Sicotte	Nov.	25,		Aug.		1858	
Sir. A.A. Dorion	Aug.	2,	1858	Aug.		1858	
Hon. P.M. Vankoughnet.	Aug.		1858	Mar.	18	1862	
Tion. F.M. Vankoughnet.	nug.	٠,	1000	wat.	10,	1002	
Hon. George Sherwood	Mar.	27,	1862	May	23,	1862	
Hon. Wm. McDougall	May	24,	1862	Mar.	29,	1864	
Sir Alex. Campbell	Mar.	30,	1864	June	30,	1867	
Hon. Stephen Richards	July	1,	1867	July	25,	1871	
Sir Matthew C. Cameron.	July	25,	1871	Dec.	21,	1871	
	_						
Sir Richard W. Scott	Dec.		1871	Nov.	30,		
Hon. Timothy B. Pardee.	Dec.		1873	Jan.	19,		
Hon. Arthur S. Hardy	Jan.	19,		July	21,	1896	
Sir John M. Gibson	July	21,		Oct.	21,	1899	
Hon. E.J. Davis	Oct.	21,	1899	Nov.	22,	1904	
Hon. A.G. McKay	Nov.	22,	1904	Feb.	8,	1905	
Hon. J.J. Foy	Feb.		1905	May	13,	1905	
Hon. F. Cochrane	May	13,	1905	Oct.	11,	1911	
Sir William Hearst	Oct.	12.	1911	Dec.	22,	1914	
Hon. G.H. Ferguson	Dec.		1914	Nov.	13,	1919	
Trong attract to the about the transfer		,			,		
Hon. B. Bowman	Nov.	14,	1919	July	11,	1923	
Hon. Jas. Lyons	July	16,	1923	Feb.	28,	1926	
Hon. G.H. Ferguson	Feb.	28,	1926	Oct.	18,	1926	
Hon. Wm. Finlayson	Oct.	18,	1926	July	10,	1934	
Hon. Peter Heenan	July	10,	1934	May	27,	1941	
Hon N.O. Hinel	Marr	27	1941	Δ 1100	17	1943	
Hon. N.O. Hipel	May		1943	Aug. Nov.	17, 28,		
Hon. W.G. Thompson	Aug. Nov.	28,		June	3,		
Hon. H.R. Scott	June	3,		July		1954	
Hon. W.S. Gemmell	July			July			
Hon. C.E. Mapledoram	July	٠,	1001	July	Ξ,	2000	
Hon. J.W. Spooner	July	23.	1958	Oct.	25.	1962	
Hon. A. Kelso Roberts, Q. C.	Oct.		1962				

### DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941

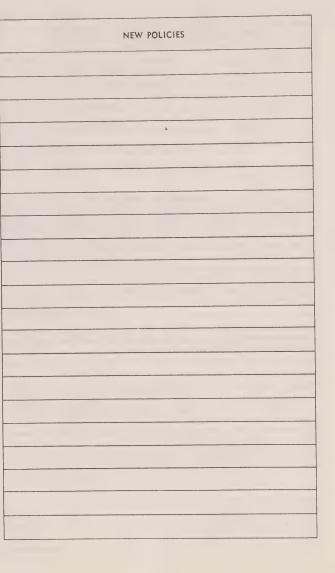
AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES



### **ACCOUNTS BRANCH**

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R.R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

### **ACCOUNTS BRANCH**

Chief: R.R. MacBean

Assistant Chief: F. M. Baker

### INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES
Systems Improvement Program

### REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable Issue of Fish & Wildlife Licences, Park Permits, Timber Accounts, Land Sales Land Tax, Rentals

### EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable Accounting Machine Operations

### BUDGET ACCOUNTING

Budget Estimates & Forecasts, Financial Reports

### LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

### GENERAL

Secretarial Department Mail Services

# LANDS AND FORESTS REVENUE AND EXPENDITURES\* in years ending March 31st

YEAR	Ordinary	CASH RECEIPTS Capital	Total	CAS	CASH DISBURSEMENTS Capital	Total	BALANCE
1943 1944 1945	\$6,964,338.05 6,567,183.22 6,436,259.97	\$ 69,275.28 130,524.24 155,219.01	\$7,033,613,33 6,697,707.56 6,591,478.98	\$4,072,688.46 3,610,850.90 4,210,648.47	\$ 3,029.42 4,574.92 341.95	\$4,075,717.88 3,615,425.82 4,210,990.42	\$2,957,895.45 3,082,281.74 2,380,488.56
1946 1947 1948 1949 1950	8,321,551.84 10,366,281.93 10,467,251.70 11,419,352.16 10,924,652.37	193,061.14 261,865.96 215,151.77 215,884.90 677,603.32	8, 514, 612.98 10, 628, 147.89 10, 682, 403.47 11, 635, 237.06 11, 602, 255.69	4,839,821.50 7,043,267.18 7,598,611.94 11,400,801.97 9,913,520.62	8,234.30 116,523.23 4,623,339.12	4,848,055.80 7,159,790.41 7,598,611.94 11,400,801.97 14,536,859.74	3,666,557.18 3,468,357.48 3,083,791.53 234,435.09 d-2,934,604.05
1951 1952 2 1953 1954 1955	10,966,065.72 14,604,915.18 20,634,549.56 18,156,762.00 19,146,974.96	5,351,437.91 3,222,682.07 2,513,325.57m 1,810,672.96 178,810.09	16,317,503.63 17,827,597.25 23,147,875.13 19,967,434.96 19,325,785.05	9,840,796.17 10,681,717.01 11,486,280.94 12,608,258.47 12,716,508.33	3,326,822.18 2,196,671.93 1,654,781.54m 800,000.00 178,810.09	13,167,618,35 12,878,388,94 13,141,062,48 13,408,258,47 12,895,318,42	3,149,885.28 4,949,208.31 10,006,812.65 6,559,176.49 6,430,466.63
1956 1957 1958 1959 1960	19,823,049.47 20,881,873.91 22,189,712.48 19,512,132.50w 18,627,418.14w	328,056.86 367,501.40 490,717.96 725,375.25	20,151,106.33 21,249,375.31 22,680,430.44 20,237,507.75 19,435,278.74	17,148,523.65 16,037,678.39 18,733,582.62 20,259,829.63 23,029,901.12p	128,297.23 187,935.36 280,550.13 4,167,468.40p 991,022.60	17,276,820.88 16,225,613.75 19,014,132.75 24,427,298.03 24,020,923.72	2,874,285,45 5,023,761.56 3,666,297.69 d-4,189,790.28 d-4,585,644.98
1961 1962 1963 1964 1965 * Year	20,811,710.78 21,361,244.94 21,852,508.58w 22,584,169.47 23,273,311.03	844,686.28 644,158.52 721,351,77 640,056.82 768,852.31 prmer Department o	1961 20,811,710,78 844,686.28 21,656,397.06 1962 21,561,244,94 644,158.52 22,005,403.46 1963 21,852,508,58w 721,351,77 22,573,860.35 1964 22,584,166,47 640,165,82 23,224,226,29 1965 23,273,311,03 768,852.31 24,024,163,34	(414111111	13,042,059.98 234,988.32 23,277,048.30 d 16,606,120.51 1,413,973.51 28,020,094.02 d 15,579,139,71 2,934,927.69 28,514,067.40 d 17,815,028.66 3,557,125.18 31,372,153.84 d 18,667,274.63 1,562,775.74 30,230,050.37 d Grants to Conservation Authorities in 1962, 1963 and 1964	23,277,048.30 28,020,094.02 28,514,067.40 31,372,153.84 30,230,050.37 n 1962, 1963 and 19	d-1,620,651.24 d-6,014,690.56 d-5,940,207.05 d-8,147,927.55 d-6,187,887.03

Earls to 1944 Hitture International Companies of Management 1999, 4-Opperating deficit, p-Parks improvements, w-Cut back in woods Water power revenue transferred to Treasury Department in 1999, 4-Opperating deficit, p-Parks improvements, w-Cut back in woods

operations. m -- Mississagi project.

TIMBER SECTION REVENUE in years ending March 31st

Total		\$ 4,982,281	4,501,/33	4,241,581	5,554,781	6,944,104	6,855,031	7,332,290	6,789,235	6.461,103	9,500,865	15,117,701	11 396 460	11 007 778	11,747,010	12,706,730	13,556,568	14 431 008	12 520 000	11,565,322		13,092,417	13,406,345	12,617,400	13,339,583	13,729,713		
Miss	MESC	• • • • • • • • • • • • • • • • • • • •		15,364	13,240	17,651	178,302	14,744	15,704	13.777	24 631	22 261	22,001	117,07	17,073	10,000	16 583	20,300	10,000	17,895	10000	32,041	14,660	26,661	25,067	29,239		
Cash Deposits	and relunds		• • • • • •	66,234	59,004	164,784	•	130,506*	29,195	53 743	26.054	40 40 A	17,839	14,373	53,919	18 024*	24 763	34,/04	40,044	51,833	10,744	38,664*	21,102	*696.7	48.800	16, 177		
Forest Protection	Charges	49		436,395	419,323	461,164	456,444	440,011	485,313	277 200 1	1,007.002	1,010,554	1,175,776	1,052,635	945,953	513 120	110,116	1,091,659	1,041,837	1,085,027	1,057,804	1,035,464	1,085,269	1 006 639	080 233	1 153 344	1000000	
Ground	Rent			117,396	115 200	125,061	126 875	108 934	112,139		116,042	114,197	123,366	79,832	76,019	7 (0 )	76,234	80,786	81,098	84,468	82,255	80.488	83,074	10000	83,703	440,410	, , , , , , , , , , , , , , , , , , , ,	
Crown	Dues			3,606,192	4 047 015	4,747,713	6,173,111	0,000,100	6,146,884		5,269,279	8,324,529	13,718,339	10,225,155	10,834,114		11,667,003	12,332,778	13,333,503	11,382,445w	10,381,470w	11 002 089	12,202,000	14,202,240	11,418,166W	12,194,902	17,447,384	
	Year	1043	1044	1944		1946	1947	1948	1950		1951	1952	1953	1954	1955		1956	1957	1958	1959	1960	1001	1961	7967	1963	1964	1965	

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<sup>\*</sup>Refunds in excess of deposits. w- Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Year	Deer	Moose Licences	Other Hunting Licences	Non-Res. Hunting Licences	Angling Licences	Commercial Fishing + Licences	Royalty (Game)	Misc.	Total
1943 1944 1945	\$118,084 115,396 117,005	\$ 4,373 4,697 4,813	\$102,245 75,153 79,390	\$ 93,245 89,450 115,590	\$ 306,264 288,685 412,073	\$ 84,507 103,143 99,819	\$161,635 195,286 247,562	\$ 85,433 97,273 110,272	\$ 955,786 969,083 1,186,524
1946 1947* 1948 1949	166,635 196,549 205,827 237,707 242,208	7,051 9,316 11,878 16,787	110,253 132,907 146,601 176,301 194,228	218,855 361,887 453,790 468,705 364,922	605,321 1,000,866 1,156,904 1,350,501 1,450,180	103,105 109,473 110,705 116,597 115,344	277,768 274,139 206,514 328,171 293,426	153,743 155,774 128,442 119,107	1,642,731 2,420,911 2,420,661 2,813,876 2,774,518
1951 1952 1953 1954		7,719 33,487 52,464 73,460	200,790 222,998 249,982 251,535 277,237	401,490 340,255 156,913 447,366 454,643	1,637,775 1,868,746 1,949,892 2,086,074 2,204,668	121,688 135,255 140,116 125,427 140,064	321,698 341,664 398,604 353,005 343,220	117,429 117,082 132,256 128,953 122,882	3,065,752 3,319,945 3,409,915 3,800,735 3,989,256
1956 1957 1958 1959		90,040 134,210 173,650 214,664 245,033	295,320 292,098 317,375 346,914 352,197	513,088 545,979 563,004 588,852 698,968	2,279,336 2,294,761 2,431,977 2,337,425 2,399,612	132,944 145,447 128,634 116,861 112,260	317,052 272,952 277,800 268,276 252,001	121,733 120,108 126,171 107,392 93,303	4,154,714 4,205,827 4,434,531 4,439,824 4,622,207
1961 1962 1963 1964			357,021 344,706 353,064 381,125 388,629	797,213 936,819 1,041,490 1,125,019 1,278,264	2,435,611 2,527,212 2,608,572 2,685,219 2,695,802	110,168 111,552 114,461 115,724 122,525	279,484 244,082 255,265 327,572 287,124	94,979 110,723 110,406 112,765 96,062	4,848,111 5,054,516 5,324,797 5,598,081 5,729,078
					TaphilouI+	Trelides Smelt Licences and Bovalty (Fish).	d Rovalty (Fish	,(1	

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+Includes Smelt Licences and Royalty (Fish). [Includes Trappers' Licences.

### LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1740	100,217	07,400	20,270	02,707	2,0,000
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,367	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
-,		,			
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
		·	·		·
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644, 159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250

PROVINCIAL PARKS REVENUE in years ending March 31st

Total	\$ 58,621 244,333 581,356 568,938	995,573 990,311 1,370,563 1,254,968 1,335,214
Misc.	\$13,008 17,383 27,181 25,556	25,208 45,313 34,347 17,305 21,945
Federal Assistance	222.	195,129
Concessions Rentals	44,775	60,868 58,831 71,646 84,125 95,487
Campsite Permits	\$ 45,613 78,462 124,137 206,148	331,481 447,535 537,997 599,440 626,034
Vehicle Permits	148,488 207,751 292,459	382,887 438,632 507,657 554,098 591,748
Year	1957 1958 1959 1960	1961 1962 1963 1964 1965

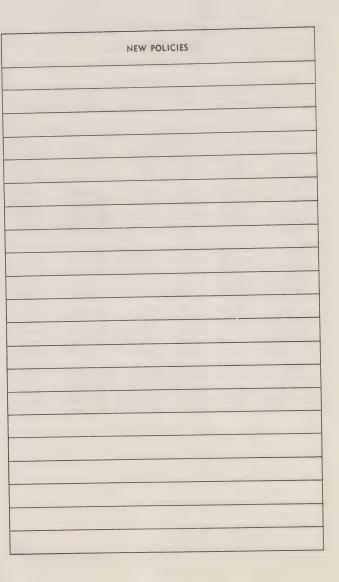
### CASH RECEIPTS

### In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28,670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946	209,459	9,048	25,284	30,943	19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951 1952 1953 1954 1955	322,661 367,696 393,236 562,723 644,961	19,092 21,774 22,723 23,546 30,660	13,407 16,710 11,720 16,361 16,724	38,975 55,473 30,140 46,269 46,487	60 128,220 157,892 216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414

<sup>\*</sup> The Forestry Act, 1952, provided for the sale of trees to private landowners.

NEW POLICIES



### FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wild-life management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1, 100 Deputy Conservation Officers.

Dr. C.H.D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

### FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

### WILDLIFE SECTION

Supervisor: F. A. Walden
Game Management
Fur Management
Field Services
Indian Affairs Agreement

### FISHERIES SECTION

Supervisor: J.D. Roseborough Game Fisheries and Hatcheries Commercial Fisheries

### SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

\*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

46,208 l,			,	Marten	WITHE	Muskrat	Otter	Racoon	Skunk	Squirrel	Weasel
	1,027 2	2,822	409	120	19,867	172,219	3,276	129	169	209	20,544
	662 3 2,081 5 2,414 5 2,335 5 2,915 2	3,480 5,069 5,838 5,289 2,977	415 251 1,216 1,464 1,547	1,045 1,529 2,210 2,767 3,587	31,323 27,704 28,904 30,264 29,520	408,662 567,565 671,642 607,645	6,137 5,259 6,410 6,203 6,224	6,667 10,905 9,874 10,669 99,641	4,538 5,747 5,749 2,506 1,879	4,121 5,598 16,077 14,256 16,133	32,002 13,129 23,727 23,816 28,813
	3,046 2,127 13,173 2,365 2,365 125 1	2,782 1,313 2,159 2,160 1,273	891 564 1,103 2,242 4,038	2,909 4,467 6,061 4,559 6,361	27,510 36,284 49,484 44,926 47,445	400,111 443,153 446,578 337,936 320,287	6,401 5,727 8,519 6,698 6,040	13,135 10,551 9,596 4,200 10,580	819 1,105 2,019 572 389	13,861 19,440 14,778 11,330 9,255	20,190 17,981 16,410 11,626 12,472
w 1 ∞ ∞ ro	23,728 2,728 3,659 2,581 2,581	1,753 3,090 1,647 2,625 2,343	4,502 4,578 4,743 4,913 1,690	9,325 10,260 7,748 12,822 10,664	61,520 47,215 43,048 44,161 32,825	304, 731 377, 888 345, 428 366, 862 251, 795	7,422 7,456 8,326 8,980 8,457	7,433 9,543 9,189 11,025 8,280	216	12,496 10,009 12,850 14,880 17,750	12,631 11,143 10,213 10,213 11,841

\*Management began in 1947. Wolf and bear returns not reported above. \*\*Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

TS	Total	\$7,229,098 6,386,885 6,834,120 6,413,530	7,684,460 6,012,145 6,040,596 4,588,280 7,227,870	7,119,077 5,554,018 6,656,546 6,414,426 7,281,744	6,910,963 8,044,560 9,616,231 10,962,002 8,776,362
NUMBER OF PELTS  VALUE OF PELTS	Ranch	\$2,262,888 2,346,039 1,647,044 2,165,233	3,101,559 2,355,226 2,171,784 1,905,518 2,942,968	4,129,555 2,978,209 3,943,119 3,969,224 4,450,571	4,441,088 5,593,485 6,176,920 7,019,973 5,898,465
	Wild	\$4,966,209 4,040,847 5,187,075 4,248,297	4,582,901 3,656,919 3,868,812 2,682,762 4,284,902	2,989,521 2,575,809 2,713,427 2,445,203 2,831,174	2,469,875 2,451,075 3,439,311 3,942,029 2,877,897
	Total	977,634 1,156,717 1,211,545 1,090,802	963,787 1,111,715 1,255,189 1,149,431 1,267,295	959,593 1,036,983 1,029,095 943,102 928,358	1,029,480 1,013,245 1,078,620 1,180,366 991,097
	Total Ranch	101,430 155,468 164,917 158,912	152, 208 152, 284 156, 903 132, 759 159, 765	172,985 248,317 237,930 262,913 287,265	348,602 385,962 386,133 437,443 393,231
	Ranch Mink	73,770 125,829 143,358	142,570 144,436 152,760 131,192 158,662	171,723 247,998 237,172 262,788 286,845	348,192 385,650 385,982 437,303 393,231
	Wild	876,204 1,001,249 1,046,628 931,890	811,579 959,431 1,098,286 1,016,672 1,107,530	786,608 788,666 791,165 680,189 641,093	680,878 627,283 692,487 742,923 597,866
	Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

	Tanners	\$ 23,229 27,156 18,075	15,493 19,556 26,314 25,430 34,795	20,767 27,596 9,407 8,353 6,950	9,017 5,999 6,981 72,874 64,339
ROYALTY ON WILD PELTS	Total Export	\$188,560 238,073 219,949	241,938 300,321 300,799 268,823 242,490	196,956 194,340 224,921 195,586 188,562	224, 237 217,870 242,652 198,473 166,325
RO	Export	\$ 91,694 40,166 148,506 131,200	163,690 211,006 185,103 157,635 135,919	111,663 111,278 140,930 119,684 109,757	130,167 135,949 164,293 135,791 116,901
	Tanners	214,636 294,017 271,167 181,723	149,340 188,847 256,476 240,441 325,947	190,566 248,613 149,779 112,564 106,374	111,268 115,734 119,216 276,678 262,682
NUMBER OF PELTS	Total Export	762,998 862,700 940,378 909,079	814,447 922,868 998,713 908,990 941,348	769,027 788,370 879,316 830,538 821,984	918,212 897,511 959,404 903,688 728,415
	Export Beaver	45,847 20,083 74,253 65,600	81,845 105,503 122,287 105,071 134,729	112,663 111,278 140,930 119,684 109,757	130,167 135,949 164,293 135,791 116,901
	Year	1947 1948 1949 1950	1951 1952 1953 1954	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

## BOUNTIES PAID in years ending March 31st

WOLF BOUNTY

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Year	12 mts. and over \$10 each	Under 12 mts. \$5 each	Total Amount Paid	Timber	Brush	Pups	Total	Total Amount Paid
1947 1948 1949 1950	959 509 592 803	73 17 67 122	\$ 9,735 5,095 6,035 8,530	1,440 1,515 1,581 1,613	1,182 961 1,062 890	42 74 84 41	2,664 2,540 2,727 2,544	\$59,275 54,923 57,977 56,927
1951 1952 1953 1954	453 408 662 947 1,126	47 29 57 145 99	4,645 4,180 6,805 10,000 11,590	1,405 1,198 1,313 1,101 1,075	651 634 739 720 620	44 63 68 70 41	2,100 1,895 2,130 1,891 1,736	46,457 41,803 46,550 41,853 38,703
1956 1957 1958 1959 1960	614 611 1,568 1,084 697	50 50 300 116 139	6,210 6,225 16,930 11,145 7,590	1,088 1,195 1,047 1,169 939	559 486 574 606 528	28 71 44 44 45 45	1,675 1,752 1,855 1,824 1,509	37,550 38,950 37,255 41,589 33,619
1961 1962 1963 1964	ıt	46 *33 ended on July	27	1,320 1,2320 1,276 1,342 1,638	761 794 691 862 1,052	57 68 64 61 63	2,138 1,998 2,031 2,753	48,766 44,510 44,664 44,999 59,997

# BREEDING STOCK ON LICENSED FUR FARMS at January 1st

83 132 178 178 190, 294 142, 2 89 89 89 89	1957 1958	0061 6061	1961	1962	1963	1964
130 251 155 119 136 136 108 105 189 137 456 239 166 150 26 16 9 460 405 75,340 85,332 101,721 109,936 119,299 26 116 11 11 1 26 170 81 85 76 707 82 62 54 47 85 70 81 85 76 87 70 81 85 76 87 70 81 85 76 87 70 81 85 76 88 62 54 47 89 62 54 47 89 62 54 47		83 94	97	57	4,	46
230     251     155     119		• • • • • • • • • • • • • • • • • • • •	:	-	1	•
136	•	:	:	• 1	• [	
283 456 239 166 150 28 16 9 6 6  1,047 934 599 460 405  75,340 85,332 101,721 109,936 119,299 26 16 11 12 12 62 70 81 85 76 707 82 62 54 47 57 47 43 33 57 64 570 542 514 507	186			355	270	907
583         456         239         166         150           26         16         9         6	12		6		• 1	
11,047 934 599 460 405 75,340 85,332 101,721 109,936 119,299 26 116 12 12 8 62 70 81 85 57 707 82 62 54 47 57 47 83 55 54 83 33	150			130	123	901
1,047 934 599 460 405 75,340 85,332 101,721 109,936 119,299 26 16 11 1 1 1 62 70 81 85 76 707 82 62 54 47 57 47 43 33 57 640 570 542 514 507	•	•	•	:	•	
75,340 85,332 101,721 109,936 119,299  26 11 12 12 8  62 70 81 85 76  707 82 62 54 47  57 47 83 5  58 54 75 54 75  64 65 65 65 65 65 65 65 65 65 65 65 65 65		506 680	685	543	443	415
26     16     1     1     1     1     1       62     70     81     85     76     89       707     82     62     54     47     89       57     47     43     44     47     24       57     47     43     44     43     33     24       58     59     58     3     3     3       59     59     58     58     495	119,299	,294 142,600	154,626	164,901	178,814	188,005
62 70 81 85 76 89 77 707 82 62 54 47 707 83 24 83 34 74 85 85 89 89 89 89 89 89 89 89 89 89 89 89 89	1 12 8	2 2 2		• ==	44	
707 82 62 54 47 57 47 43 43 33 34 57 55 5 3 3 3	76	96 68	76	78	. 63	. 60
5 5 3 3 3 5 5 5 5 4 5 6 7 495	33	24 22	20	13	10 8	20
540 570 542 514 507 495	23	(C)		4	7	
	14 507	495 495	508	200	202	499

\*GAME BIRD HUNTING PRESERVES in year ending March 31, 1965

Stock on Hand	3,671 836 230	772 715 175
No. of Hunters	1,516 1,134 375	600 375 310
No. of Birds Harvested	6,505 6,297 890	1,985 3,009 600
Total Released	9,040	3,004 4,370 2,400
Total Purchased	7,960 7,185 5,131	769 60 3,500
No. of Pre- serves	12 5 5	w w u
Districts	Lake Erie	LindsayTweedSault Ste. Marle

6,399

4,310

19,286

30,132

29

22

<sup>\*</sup>Based on incomplete returns.

\*COMMERCIAL PHEASANT PROPAGATORS in year ending March 31, 1965

Adults Bis 5,720 8, 100 1, 269 1, 20	67	1,973 38,757 18,849
Chicks Adults Dressed Eggs Poults Adults Birds Eggs 9,051 5,720 8,914 1,258 8,390 100 6,76 1,150 269 825 146 1,150 269 1,038 284 778 20 1,038 284 778 20 1,038 284 3,500 932 24		1,973
Chicks Adults Dressed Poults Adults Birds 9,051 5,720 8,914 4,152 8,390 100 6,676 1,150 269 1,038 778 20 1,356 1,356 206 3,500 932		
Chicks Adults Poults Adults 9,051 5,720 2,586 100 1,150 269 1,150 269 778 20 3,500		18,379
Chicks Poults Poults 9,051 2,586 8,390 1,150 778 778 3,500		
		6,834
5128 944 944 944 944 944 944 944 944 944 94		26,211
		1,079
No. of Farms	Cochrane	Totals143

<sup>\*</sup>Based on incomplete returns.

### HUNTING LICENCES SOLD

GAME	Non-Res.	1,949	4,666 3,620 3,200 3,300 5,620	4,960 5,400 3,810 5,300 6,010	5,905 6,092 5,503 6,243 7,286	7,103 7,538 7,685 7,998
SMALL GAME	Resident	92,847	155,309 171,098 186,060 205,706 213,594	240,040 268,444 256,341 284,000 318,000	316,778 341,838 377,589 378,666 383,205	377,047 383,150 416,019 399,521
.R+	Non-Res.	181	783 548 1,600 1,176	1,120 3,060 2,490 1,520 1,750	2,031 2,703 4,803 4,089 3,828	3,607 1,922 2,038 2,208
BEAR+	Resident			* * * * * *		307 354 414
	Total	1,528	2,924 3,786 4,700	1,400 3,620 5,833 8,230 9,990	14,962 19,257 25,050 29,780 36,160	44,752 46,145 50,405 47,827
MOOSE	Non-Res.	653	1,230 1,516 1,700	637 730 990	1,521 1,890 2,362 3,431 4,212	5,775 6,675 7,261 7,639
	Resident	875 1,282	1,694 2,270 3,000	1,400 3,620 5,196 7,500 9,000	13,441 17,367 22,688 26,349 31,948	38,977 39,470 43,144 40,188
	Total	41,039	70,790 78,492 85,000 88,324 96,820	99,690 97,660 101,085 103,200 113,200	105,505 113,363 115,366 109,948 120,404	111,948 127,648 120,861 130,744
DEER	Non-Res.	2,385	7,877 11,193 11,300 12,050	10,400 ** 870 8,300 10,400 8,050	7,426 6,743 6,044 5,988 6,004	5,788 5,913 6,351 6,562
	Resident	38,654	62,913 67,299 73,700 76,274 84,380	89,290 96,790 92,785 92,800 105,150	98,079 106,620 109,322 102,960 114,400	106,160 121,735 114,510 124,182
	Year	1944	1946 1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964

<sup>\*\*</sup>U.S.A. ban on importation of cloven-hoofed animals.

<sup>+</sup>Includes a few non-resident wolf licences.

### TOTAL LICENCES SOLD

	ANG	LING		HUNTING	
Year	Resident	Non-Res.	Resident	Non-Res.	Total
1944		89,291	132,376	5,168	137,544
1945		126,367	186,680	9,451	196,131
1946 1947 1948 1949 1950	3,730 4,434 5,110	171,400 196,785 224,898 240,278 237,191	219,916 240,667 262,760 281,980 297,974	14,556 16,877 17,800 16,526 19,187	234,472 257,544 280,560 298,506 317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712

### PROSECUTIONS in years ending March 31st

	Seiz-	Public	*Total	Convic-	Colle	cted
Year	ures	Sales	Sales	tions	Costs	Fines
10.47	1 044		#27 202	2 040	<b>@1</b> 214	\$44.267
1947	1,844	\$	\$37,202	2,040	\$1,216	\$44,267
1948	0.015	4,700	1 . 7 40	2,880	1 452	46 047
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872		23,633	2.880	1,387	50,460
1954	2,975		25,157	3,052	1,442	47,715
1955		0.220		3,102	1,274	52,088
1733	3,005	9,239	27,009	5,102	1,2/7	32,000
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1700	2,270	7,200	20,012	. ,	1,100	40,200
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236		48,442
	-,-10	,	,000	_,		,

<sup>\*</sup>Includes Redemptions.

FISH DISTRIBLED FROM ONTARIO PROVINCIAL HATCHERIES IN 1964 (in 0000's)

	Ouana-	niche	:	:	:	•	•	:	•	0	•		•	:	•	:	•	151	:	:	•	•	:	•	•		•	•	•	•
		Splake	:	:	:	:	•	•	•	•	:	:	•	:	:			•	•	•	:	•	:	•	:	88y	12a	:	•	:
	Wall-	eye	:	•	•	:		•	•	•	:	•	•	7,500e		•		•	•	•	•	•		•	•	:	•	6,500e	•	1,353f
(In 000's)	White-	fish	:	•	•	:	•	:	•	•	:	:	:	27,090f	•	•	•	:	:	•		•	•	•	•	•	•	:	•	:
FISH DISTRIBUTED FROM ON TAKIO PROVINCIAL HATCHERIES IN 1964	Maski-	nonge	•	•	1,530f	26g	:	:	:	:	:	•	•	•	:	•	•	:	:	•	•	:	:	•	:	•	:		•	•
- HAICHER	Small-	month	•	•	:	:	:	:	:	:	:	:	:	:	:	•	:	:	:	•	•		52f	49g	63g	•	:	4 lg		00 00 00
KOVINCIAL	Large-	mouth	:	•	:	:	•	:	:	:	•	•	•	:	:	•	:	•	•	•	:	•	•	•	•	•	:	112f	65g	26g
UNIARIO P	Rainbow	Trout	52y	31y	:	:	:	•	:	•	116g	39y	•	:	:	25g	14a	15y	:	:	:	:	:	:	75y	17y	:	8y		82y
U PROM C	Lake	Trout	29 y	38y	24y	:	:	:	222y	:	:	39y	12	:	:	•	•	Ig	64y		:	:	42y		74y	20e	343y	30y	•	77y
SIKIBULE	Brook	Trout	142y	41y	42y		400e	358g	34y	2a	122g	244y*	388	:	65y	80	13a	81y	22a	8f	26g	239y	198y	•	111y	291y	37a	20y		214y
ע הגור		STATIONS	ChatsworthTRS	CodringtonTRS	Deer LakePS		DorionTRS				Hill Lake TRS			Little CurrentJS	MidhurstPS	rmandaleTRS		North Bay TRS		PembrokeTRS			SandfieldPS		eleton LakePS	TarentorusTRS		WestportPS		White LakePS
		ST	Ch	S	De		Do				Hi			Li	Mi	No	27			Pe			S		S	T		We		H

e-Eyed eggs. g-Fingerlings. a-Adults, TRS-Trout Rearing Station, JS-Jar Station. f-Fry, y-Yearlings. PS-Pond Station. \*-Includes 3, 873 Albinos.

# DISTRIBUTION OF HATCHERY FISH in 000°s

112 91	239	• •		• •	::	1,530
93	134	• •	0 0 0		• •	1,870
112	147	::	• • •	0 0 0 0	• •	2,970
	230 270 1	• •	• • •	• • • • • •	• •	2,833
231 30	156 178 1	* *	0 0 0 0 0 0 0 0 0	: :	50	3,390
45	227	• •		26	1,068	4,070
46 63 1	130 133 5	• • •	. 4 0		• •	2,940
190 129 3	468 132 1	• •	• • •		1,840	2,430 39
360 122 1	803 369 19	• • • • • •	21	· · · · · · · · · · · · · · · · · · ·	350	3,610
282 343 4	209 529 25		· · · · · · · · · · · · · · · · · · ·		3,400	3,712
720 279	820 452 14	: :	: : :	0 0 0 0 0 0	2,717	3,550
BASS, Largemouth. Fry	Fry	BLUEGILLS Fingerling	CHARR, French Alpine. Fingerling Yearling	CHARR, Pennsylvania. FingerlingGRAVLING, Arctic.	HERRING EggsFry	Fry Fingerling
BASS, I	Year	Yearl Yearl BASS, S Fry. Finge	ВА	Paniya BASS, S Fry. S Finge Yearl Ringe Adult Finge Yearl Yearl Yearl	ВР	В В В В В В В В В В В В В В В В В В В

	14,000	: :	: :		4	: "	0 0 0 0 0 0 0 0 0
· · · · · · · · · · · · · · · · · · ·	7,200 11,440 217	: :	::	114	:	• •	: : :
r)	20,500 8,994 201	: :	: :	112	:	: 1	
	27,065	• •	: :	97.	:	:	: = 10
· · · · · · · · · · · · · · · · · · ·	53,790	: :	: : : : : :	13	:		
* * * * *	30,875	* * * * * *	: :	135	:		193
	56,245	· · · · · · · · · · · · · · · · · · ·	* * * * * *	208	:	• •	22
::::	90,565	: :	: :	16	:	• •	36 170
• • • • • • • • • • • • • • • • • • • •	91,800 138,805 8,310		513		:	: :	29
	91,800	423		10	:	• •	101 234
	227,000 6,000	: :	• • •	177	:		100
OUANANICHE Eggs. Fry. Yearling.	PICKEREL (Walleye) Eggs. Fry. Fry. Fingerling.	SALMON, Chum Eggs Fingerling	SALMON, Pink Eggs Fingerling	SPLAKE Fingerling Yearling	TROUT, Albino Yearling	TROUT, Aurora Fingerling	TROUT, Brown Eggs Fingerling

# DISTRIBUTION OF HATCHERY FISH in 000's

1964		20 1	141 319 15	400 8 506 1,726 112		48,842
1963	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	186 950 6	3 173 11	392 392 1,883	46,350	72,042
1962		240 989	60 291 9	494 651 1,655 75	46,575	84,401 Plantings
1961	* * * * * *	370 715 8	102 229	30 764 2,052 73	-13,875 53,685	142,682 89,880 140,342 102,623 84,401 **Rainbow Trout Included in Kamloops Trout Plantings
1960		0.0000	0 0 0	49 15 864 1,616	12,000 62,993	142,682 89,880 140,342 **Rainbow Trout Included in Kam
1959	20 20 95 1	274 634		580 455 1,807 84	1,000	89,880 Trout Incl
1958	26 10 15 95	8 32 · 4 · 6 · 6	0 0 0 0 0 0 0 0 0	789 2,079	30,940	142,682 **Rainbow
1957	123	230	  	200 91 522 2,677	13,435	180,704
1956	10	12 10 736 320	• • • • • • • • •	35 1,332 2,092	51,178	212,410 ear Basis.
1955	00 00 00 00 101 00 00 00 101 00 00 00 101	2,612	* *	50 842 1,991	67,165	286,267 on Fiscal Y
1954		2,606	* *	720 166	42,665	430,790 52 Complied
SPECIES	TROUT, Kamloops Eggs Fry Fingerling Yearling	TROUT, Lake Eggs Fry Frigerling Yearling	TROUT, Rainbow Fingerling Yearling	TROUT, Brook Eggs Fry Fingerling Yearling Legal Size	WHITEFISH Eggs	*Figures for 1947-1952 Complied on Fiscal Year Basis

## COMMERCIAL FISHING EQUIPMENT

	Total Value \$000's	5,716 5,716 5,988 5,988	6,985	8,839 9,176 9,226	8,891 8,676 9,215 10,557 10,124	10,377 9,996 10,264 10,131
	Net		727	827 778 759	754 709 727 884 839	773 726 747 731
	Wharves and Piers	437 400 412 395	416	487 456 447	437 404 425 491 516	476 497 439 493
Freez-	ers & Ice Houses	525 486 477 456	476	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	426 412 464 564 558	521 525 511 549
	Seine	121 99 92 110	105	101	84 91 81 111 105	97 103 93 5,677
of Nets	Hoop	1,288	1,483	1,570	1,487 1,462 1,441 1,812 1,861	1,778 1,767 1,943 1,88915
Number	Trap*		0	549 709 822	763 804 731 739 661	631 597 694 512
F	Pound	1,079	1,204	1,078 878 787	784 671 713 723 744	672 796 745 873
	Gill Nets 000's yds	9,090 8,858 8,981 9,144	8,944	9,312 9,248 9,304	8,719 8,618 8,898 9,718 9,523	9,293 9,344 9,200 9,110
Boats	Under 40 ft.	2,205 2,009 1,930 2,039	1,981	1,538 1,407 1,338	1,320 1,321 1,270 1,680 1,740	1,541 1,533 1,718 1,587
ğ	40ft. & Over	107	126	215	202 211 211 234 238	223 218 224 229
	No. of Men	4,244 4,026 3,736 3,930	3 83 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3,807 3,657 3,483	3,135 3,066 3,224 3,527 3,409	3,059 2,993 3,271 2,952
sect	Total	2,421	2,894	3,200	3,470 3,684 4,029 4,170 4,176	4,563 4,554 4,679 4,786
Licences	Gill	1,071	1,063	1,045	1,032 1,038 1,100 1,117 1,089	1,063 1,060 1,075 1,088
	Year	1946 1947 1948 1949	1951	1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964

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Value in	1964	\$ 39					333						1,730				200						0 23						0 5,230
4004	1964	206	513	938	287	2	2,035	250	28	1,993	909	70	9,635		3,678		1,134	141	83	12,887	6		1,450	35	22.	3.22	1,08	1	43,510
0000	1963	1,991	740	1,323	300	1	2,329	175	20	2,374	615	20	18,725		5,108		066	136	1,503	10,705	132		1,630	358	254	3.357	1,359		54,342
000	1962	137	423	1,124	314	7	2,825	128	34	2,630	623	32	21.659		3,708		926	131	1.117	19,314	133		1,540	257	208	3.640	337		63,784
	1961	119	363	1,312	244	2	2,993	127	24	1,853	638	220	18.628	2	3,382		066	105	1.201	13.065	195		1,595	271	181	3 907	323		54,954
	1960	3.305	467	1,124	321	2	1,865	130	33	2,227	414	170	12 774	10	3,702		996	100	1.539	11,666	184		1,616	286	286	2 845	2,043	COT	47.397
	1959	92	480	1,519	319	-	1,576	140	15	2,947	123	101	10 068	200	4,653	,	993	112	1 419	7 050	179		1.410	225	522	2 182	0,100	111	48 992
	1958	81	635	1,350	330	60	1,269	133	22	1,917	101	404	14 200	10 00 00 00 00 00 00 00 00 00 00 00 00 0	7 825		1,017	174	1 817	4 967	243	1	1.509	276	622	2 2 2 2 2	0,4,0	717	CT1 TA
200	1957	67	762	1,508	272	65	796	103	31	1,996	25.4	900	17 068	2000	10,609		914	103	840	4 666	174		1.317	375	408	2000	07760	614	E1 113
וורה	1956	63	843	1.906	299	0	923	55	84	1,142	127	451			11,673		904	133	777	7 014	138	9	1 304	416	641	4 040	4,049	701	50 717
	1955	61	824	1.318	285		988	71	9	936	1	2000	101	101,01	6.883		913	168	070	220	07067	7	1 395	370	1 100	4 453	4,452	60	767 24
	SPECIES	Bass, Rock; Crappies.	Bullhoods	Carne	Catfish		Chub. Tullibee.	T-12	Gold Fyee	Herring; Ciscoe		Ling	Menominee, Filots	:	Pickerel, blue		Dike Northern,	Takes More than the control of the c	Jauget Services	Sheepshead	OHOT Lessessessessessessessessessessessessess	oral geometrices and	0 10 20	Sucher Sections	Thomas I obo	Trout, Lake	Whitefish	Miscellaneous	1 1 80 8

# YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

	Year	Lake	Lake Erie	Lake St. Clair	Lake Huron	Georgian Bay	North	Lake Superior	Northern Inland	Southern Inland	Total	Value \$'000
	1041	3 176	8 951	992	2 . 148	2 .734	542	3,436	4,504	517	26,950	2,147
	1942	2,120	10,038	598	2,081	2,163	535	3,362	4,570	546	26,381	3,372
	1943	2 281	14.483	487	1,836	2,010	572	3,347	4,961	618	30,595	4,704
	1944	2 637	15,256	449	1,460	1,545	487	3,761	4,964	482	30,041	4,389
	1945	2,338	18,950	503	1,071	1,524	434	3,812	5,040	909	34,278	6,484
	1046	0 00 0		493	954	1.292	290	3,589	4.719	629		5,597
	1047	200,2		466	1 107	999	267	2,830	4.802	448		4,803
	1048	2004		437	1 440	913	445	3,371	4,629	735	28,942	5,735
	1949	2,046		540	1.260	1.563	550	3,188	5,254	209		5,497
	1950	2,219	16,866	469	1,301	2,794	899	2,655	5,229	555		6,252
33										1		
3	1951	2,411		389	1,474	3,720	548	2,851	5,728	707	30,972	7,044
	1952	2.281		792	1,736	5 ,359	433	3,127	6,221	678		7,417
	1953	2.059		983	1,396	928.9	458	2,771	080,9	827		7,037
	1954	1,914		1,021	1,463	4,292	395	2,890	080 9	712		7,013
	1955	1,943	30,285	822	1,262	2,298	244	2,540	5,627	615		6,783
	8	•		000	77.7	1112	107	2 1 45	278	503	50 717	7 928
	1956	~		1,029	1,400	C11,1	101	2016	2000	402	51 113	7 047
	1957	_		1,113	288	004	191	16167	10/60	277	011,110	1000
	1958	7		206	2,023	402	255	2,871	7,516	544	7/1, /4	+1761
	1959	7		845	2 ,203	225	171	3,850	7,617	432	48,992	4 ,800
	1960	1,958	29,219	629	3,489	218	206	2,828	8,234	586	47,397	4,933
									,			1
	1961	2,109	35,698	877	4,759	201	246	2,353	7,966	746	54,954	5,746
	1962	1.750	44,465	1,031	3,575	348	252	3,146	8,572	644	63,784	5,541
	1963	2.046	35,301	1,043	2,948	555	172	2,973	8,440	863	54,342	5,504
	1964	2,015	25,381	946	3,018	735	214	2,682	7,938	582	43,510	5,230

Yield of Ontarlo Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Total	\$ 193 156	42.	38	312	25.0	30	39	28	31	42	40	9 9 8		333	5 ~
Total Catch	3,126	2,311	2,338	2,059	2,045	2,219	2,410	2,059	1,943	2,627	2,098	2,051		2,109	2,015
Other	375	623	628	581	575	735	963	563	436	498	508 438	321	-	483	975
Yellow Pickerel	71	43	34	45	30	34	90	75	124	121	118 166	151	140	125 106	8 9
White- fish	442	329	359	398	237	419	385	207	340	593	301	335	297	355	354
Smelt	:	::	::	:		::	e t	282	265 238	269	177	208	188	223	171
Lake	126	26	105	102	42	15	40	32	r 4	. 64		44 :	1	1 3	<b>-</b> :
Lake	1,922	1,087	1,018	413	480	32.4	197	73	70	. 00	00 F	22	74	51	3 30
A CO	16	35	44	50.	33	29 29	48	65	78	o u	100	136	128	125	169
Carn	150	220 201	216	197	119 208	181 242	217	253	309	910	314	323 536	310	314	417
Bullhead &	88	61	179	288	301 433	498 520	470	478	376	300	394	353	280	199	229
A CO	1941	1942	1944	1946	1947	1949	1921	1952	1954	1955	1957	1958	1960	1961	1963

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Year	Blue Pickerel	Lake Herring	Yellow Perch	Sheeps- head	Smelt	White Bass	White- Fish	Yellow Pickerel	Other	Total Catch	Total Value
1941	1.544	116	2,050	•	•	•	3,359	347	1,535	8,951	\$ 657
1942	4,405	62	965		0 0		2,524	421	1,661	10,038	099
1943	9,614	56	733	•	0 0 0	•	1,481	453	2,168	14,483	2,132
1944	9,390	336	1,00	•		•	1,259	276	2,122	15,256	1,891
1945	6,559	6,445	1,206	•	•	•	1,689	1,068	1,983	18,950	3,699
1946	1.909	9.525	2,418				1,932	739	2,402		3,089
1947	1.646	2.484	2,252				2,726	793	2,433		2,676
1948	5 ,742	603	1,939			0 0	3,800	299	2,043	14,926	3,025
1949	9.784	393	2,279	•	•		3,620	849	2,168		2,950
1950	8,611	645	2,166	•	•	•	1,390	1,252	2,802		3,149
1951	3 914	323	2.758				1,130	1,522	3,497		2,892
1952	7.267	329	2,204	1.073	374	1,422	1,424	2,167	1,157	17,417	3,249
1953	10,333	234	3,973	772	1,030	2,161	1,641	2,288	957		3,089
1954	8,151	281	7,749	773	1,266	6,153	556	2,925	1,058		3,407
1955	12,037	96	4,753	786	2,040	4,505	399	4,773	896		3,842
1956	12.002	194	11,573	713	3,694	5,715	542	9,275	974		5,434
1957	6,389	104	11,894	789	4,473	3,538	536	8,294	1,088		4,848
1958	824	62	15,410	1.727	4,656	1,813	383	5,073	803	30,751	4,662
1959	47	39	19,606	1,328	6,843	1,406	87	1,384	857		2,200
1960	4	9	11,654	1,468	11,467	3,255	21	619	725		2,060
1961	1	33	17,284	1,116	12,835	3,334	6	269	847	35,698	2,507
1962	•	2	20,859	1,037	19,108	2,349	10	284	818	44,465	2,353
1963	• •	61 6	17,963	1,412	10,524	1,855	11	1,875	1,659	25,381	2,530
0.4		1	2	0	1	1 2 4	)				

Yield of Ontario Fisheries by Species --LAKE HURON (PROPER) -- in 000's lbs and \$000's

Totol	Value	\$ 195	362	230	211 211 348	246	318	32	32,	288	51	06	1,20 80 80 65	
1000	Catch	2,148	1,836	1,071	954 1,107 1,440	1,260	1,307	1,441	1,469	1,463	2,023	3,489	3,575 2,948 3,018	
	Other	113	105	115	108 80 201	123	164	52	89	162	164	183	97 95 154	109
	Yellow Pickerel	195	167	138	171	205	254	307	211	333	245	230	217 263 225 225	007
	White- Fish	93	113	99	158	243 226	225	180	258	216	156	827	812 349 269	270
	Suckers	•			• •	:::	• 4	20	;;;	86	70	65	193	86
	Sturgeon & Caviar	99	o eo ro	4	r 00 '	o 00 00	00 V	o uo t	. 9	11	40 26	12 6	679	9
	Yellow	209	355	239	336	147 231 359	431	496	323	155	719	236 859	1,072 583 539	602
	Lake	1,110	517	117	30	10		• • •	• • •	•	: :	• •	;=d	1
	Lake	189	329	100	104	125	116	107	54	39	20 19	13	17 25 8	6
	Chub	233	247	292	89	188 207	109	280	454	461	321	1,082	2,342 2,180	1,442
	Voar	1941	1942	1944	1946	1948	1951	1952	1954	1956	1957	1959	1961 1962 1963	1964

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Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Voon	200	44	Lake	Lake	Northern	Otherwood	White-	Yellow	044	Total	Total
rear	Carp	CINID	guillau	nort	Fike	noagrnic	Fish	Fickerei	Omer	Catch	value
1941	47	203	64	1,502	25	1	748	57	87	2 ,734	\$ 276
1942	30	528	52	1,274	36		584	55	74	2,163	223
1943	24	69	168	1,066	34		442	69	138	2,010	485
1944	19	110	55	815	30	1	364	26	95	1,545	380
1945	38	104	103	738	25	1	279	38	198	1,524	389
1946	46	25	21	969	25	1	246	44	188	1,292	332
1947	21	21	15	368	7		87	21	126	999	181
1948	39	48	17	312	19	1	245	160	72	913	268
1949	42	50	28	343	22	-	805	206	99	1.563	465
1950	35	72	63	351	12	1	2,189	133	26	2,912	800
1951	35	74	26	480	00	2	3,203	69	40	3,937	1,450
1952	29	42	35	550	14	1	5,217	52	36	5,976	1,545
1953	37	128	15	323	20	-	6,242	94	57	6,917	1,737
1954	96	123	12	154	18	2	3,743	109	09	4,317	1,450
1955	110	64	12	29	19	4	1,634	117	46	2,073	845
1956	73	70	17	48	15	ιΩ	029	77	110	1,085	366
1957	95	140	10	19	7	4	248	38	57	618	201
1958	77	109	4	11	7	3	06	29	32	362	86
1959	22	3	3	_	9	3	49	62	52	201	61
1960	37	29	7	1	4	2	57	40	47	219	61
1961	13	31	-	_	9	-	96	60	19	201	61
1962	21	82	1		10	2	130	61	41	348	95
1963	99	104	-	:	12	7	207	66	64	555	164
1964	24	121	7	:	11	60	232	93	249	735	190

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Total Value	\$ 274 272 511 530 696	639 503 675 561 626	641 661 590 565 523	389 344 376 377 270	214 239 271 249
Total Catch	3,436 3,362 3,347 3,761 3,812	3,589 2,830 3,371 3,188 2,655	2,851 3,127 2,771 2,890 2,540	2,145 2,797 2,871 3,850 2,828	2,353 3,146 2,973 2,682
Other	192 184 160 174 110	117 92 176 162 128	227 78 77 67	112 52 68 91 54	48 50 57 134
Yellow	115 92 188 96 98	120 155 116 125 145	200 163 158 135 135	186 217 164 271 249	227 174 167 216
White- Fish	315 320 336 403 359	275 246 306 277 341	341 268 328 254 254	303 285 287 210 99	119 148 161 133
Sturgeon	ппппп	2444	4444	3 6 6 11	∞ m ~ −
Sauger		0 0 0 0 0 0 3 0 0 0 0 0 0 0	124 38 72 49	69 57 100 68 19	38 63 59
Menominee	0 0 0 0 0 0 0 0 0		.16	112 117 117 117 117 117 117	7 10 11 56
Lake	1,298 1,361 1,323 1,553	1,531 1,286 1,447 1,356	1,273 1,389 1,371 1,266 1,003	527 324 366 238 122	48 70 112 106
Lake	1,433 1,392 1,290 1,481	1,511 1,017 1,295 1,255 505	763 993 745 920 708	821 1,696 1,744 2,833 2,117	1,777 2,570 2,319 1,935
Chub	81 11 48 53	3333	45 94 88 91 312	112 148 125 117 103	81 69 81 42
Year	1941 1942 1943 1944	1946 1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964

Yield of Ontario Fisheries by Species -- NORTHERN INLAND -- in 000's lbs and \$000's

Total Value	\$ 429 466 687 744 898	896 777 905 764 881	1,035 1,072 795 789 732	823 815 1,039 1,090 1,035	1,019 1,171 1,170 1,047
Total Catch	4,504 4,961 4,964 5,040	44,719 44,802 5,259 5,254	5,728 6,221 6,080 6,080 5,627	5,878 5,764 7,316 7,617 8,234	7,966 8,572 8,440 7,938
Other	472 454 588 461 674	481 624 457 560 628	718 967 1,390 1,262 1,446	1,332 1,234 1,606 1,344 1,886	1,810 1,816 2,130 1,823
Yellow Pickerel	1,494 1,431 1,503 1,655 1,556	1,621 1,688 1,688 1,706 1,597	1,801 1,847 1,606 1,568 1,437	1,593 1,572 2,048 2,323 2,258	2,262 2,539 2,315 2,047
White- Fish	1,328 1,366 1,435 1,544	1,417 1,156 1,268 1,627 1,738	1,733 1,759 1,604 1,674 1,497	1,643 1,658 1,855 2,203 2,409	2,180 2,544 2,320 2,324
Tullibee	117 118 221 170 240	162 138 139 169 170	210 241 329 243 192	274 184 411 373 430	539 494 475 430
Sturgeon & Caviar	59 54 97 120 108	146 136 145 139	99 137 105 81 71	71 83 149 114 121	119 80 81 58
Sauger		:E 9 ::	28 31 48 44	24 29 29 40 58 58	61 78 72 78
Northern Pike	869 950 889 831 830	744 898 806 909 784	915 965 831 1,008	773 820 923 923 878	842 850 887 1,033
Lake Trout	165 197 228 183 142	148 151 144 94 106	110 172 133 120 110	62 153 244 282 161	129 137 140 117
Goldeye	0 0 0 0 0		114 102 34 87 6	84 31 22 15 33	24 34 20 28
Year	1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964

NEW POLICIES

### FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1885. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees...the net expense to the province was under \$5,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E.J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively. J.A. Brodie acted for Mr. Mills during his absence on war service.

 $T.\,E.$  Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

J.M. Whalen was appointed Chief on June 14th, 1963.

### FOREST PROTECTION BRANCH

Chief: J. M. WHALEN

### FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control Forest Insects and Disease Improvements and Equipment Radio and Telephone Communications Records Statistics Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T.C. Cooke

Procurement, Operation and Maintenance of fleet of aircraft Supervisory Personnel

### TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V. H. F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

In 1961, a total of 70 aircraft were engaged at various periods in suppressing Sioux Lookout fires.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

### HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

<code>HAILEYBURY, 1922</code> - Over 2,000 square miles were burned over: 44 lives were lost; property damage was 6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

 ${\tt GOGAMA,\ 1941}$  - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645, 450 acres. Prompt action salvaged 312, 649, 422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, dry lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

### ESTIMATED FIRE DAMAGE

	)00)	TIMBER DAMAGE	AGE.	TIM (Cro	TIMBER DAMAGE (Crown Dues, Only)	1y)	DAMAGE	DAMAGE TO REPRODUCTION*	*NOTION*	TAFOE	PRIVATE
Year	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total	DAMAGE	DAMAGE
1950	1,624	1,937	3,561	\$ 16,244	16,244 \$19,365	\$ 35,609	\$ 8,611	\$10,927	\$ 19,538 \$	55,148	\$103,682
51	29,401		29,590	294,015		295,895	2,0	1,121	93,552	389,447	56,389
52	1,401		1,978	14,013 279,340	16,	296,220	87	9,843	97,654	393,874	81,778
1954	24,825	587	24,909	2,671,857		2,677,727	156,362 900,331	13,622	157,154 913,953	406,241 3,591,680	15,650
26	155,305		155,378	2,868,133		2,870,251	195,	2,411	197,901	3,068,152	22,319
1957	8,721	2,465	11,186	173,377	49,309	222,685	53,576	35,242	88,818	311,503	97,036
60	21,293		21,416	425,860		428,330	ိတ်	1,427	9,764	438,094	56,442
19	1.595.447	750	1,596,196	31,908,935	,	31,923,928	62,187	3,687	65,874	31,989,802	152,638
62			2,523	48,794	1,669	50,462			285	707 000	20,
1963	14,907	194	15,101		:	484 334		:	222	500,000	10,
64			10,330	•	•	351,130	• • • • • •	•	000	200,200	609
65 **			8,743	• • • • •		256,950	• • • • •	•	000	74,000	6

### FOREST FIRE SUMMARY NUMBER OF ACRES BURNED OVER Number

	NUMBER C	F ACRES BUF	RNED OVER	Number	Average
Year	Crown	Private	Total	Of Fires	Acreage
1917			384,164	1,110	346
1918	******	******	30,172	965	31
1919			922,161	1,780	518
1920			358,851	1,287	279
1921			749,534	1,269	591
1922			346,193	1,021	339
1923		*****	2,120,148	1,343	1,579
1924			146,017	851	171
1925	******	******	189,543	1,149	165
			·		
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965*	14,948	4,956	19,904	1,218	16
	*Drolim	inony monost t	Donombon 1	1000	

<sup>\*</sup>Preliminary report to December 1, 1965.

### 1965 FOREST FIRES

Honorary Fire Wardens	DISTRICT	Acres Burned	Number of Fires	Average Acreage
229	Chapleau	9	8	1.1
370	Cochrane	6 15	16	38.4
251	Fort Frances	9	21	•4
342	Geraldton	9,582	32	299.4
40	Gogama	1,386	18	77.0
317	Kapuskasing	18	15	1.2
• • •	Kemptville	389	19	21.6
276	Kenora	694	88	7.9
	Lake Erie		• •	
50	Lake Huron	• • •	5	• • 0
41	Lake Simcoe	1	6	.2
162	Lindsay	152	50	2.6
483	North Bay	391	104	3.8
378	Parry Sound	305	177	1.7
235	Pembroke	250	110	2.3
322	Port Arthur	2,474	48	51.5
235	Sault Ste. Marie	39	29	1.3
124	Sioux Lookout	1,031	59	17.5
375	Sudbury	1,569	234	6.7
380	Swastika	2 13	21	10.1
191	Tweed	748	136	5.5
282	White River	29	13	2.2
5,083	TOTAL	19,904	1,218	16.3
	MONTHS			
	April	436	85	5.1
	May	2,731	431	6.3
	June	11,612	302	38.5
	July	2,031	189	10.7
	August	2,968	193	15.4
	September	100	11	9.1
	October	24	5	4.8
	November	2	2	1.0

<sup>\*</sup>Preliminary report to December 1, 1965.

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

Land Clearing   42   148   49   125   123   55   55   55   59   Residents   146   313   244   406     Land Clearing		ORIGIN	1954	1955	1956	1957	1958	1959	1960	1961	ORIGIN	1962	1963	1964	*1965
Camping         31         32         325         325         325         325         325         325         325         325         325         325         325         327         320         325         325         325         325         327         326         325         325         327         327         327         327         327         327         327         327         327         327         327         327         327         327         327         328 </td <td></td> <td>Land Clearing</td> <td>42</td> <td>148</td> <td>49</td> <td>125</td> <td>123</td> <td>52</td> <td>55</td> <td>80</td> <td>Residents</td> <td>146</td> <td>313</td> <td>244</td> <td>191</td>		Land Clearing	42	148	49	125	123	52	55	80	Residents	146	313	244	191
Smokers         147         298         145         342         371         159         116         201		Camping	221	390	196	379	325	323	265	295	Recreation	592	811	109	406
Railways.         82         189         122         149         67         49         62         Railways.         76         93         75         1           Road Construction         11         13         34         73         63         12         18         15         10   .		Smokers	147	298	145	342	371	159	116	201			:	:	:
Road Construction.         11         13         34         73         63         12         18         15         17         75         77         75           Logging.         3         11         6         7         12         20         19         Industry.         75         77         75           Mining.         2         11         8         7         1         2         2         2         2         2         7         75         77         75         75         77         75         77         75         77         75         77         75         77         75         77         75         77         75         77         75         77         75         77         75         77         75         77 </td <td></td> <td>Railways</td> <td>82</td> <td>189</td> <td>122</td> <td>176</td> <td>149</td> <td>29</td> <td>49</td> <td>62</td> <td>Railways</td> <td>76</td> <td>93</td> <td>75</td> <td>129</td>		Railways	82	189	122	176	149	29	49	62	Railways	76	93	75	129
Logging.         13         53         22         39         17         25         20         19         Industry.         75         77         75           Maining.         3         11         6         7         1         2         2         2 <t< td=""><td></td><td>Road Construction.</td><td>11</td><td>13</td><td>34</td><td>73</td><td>63</td><td>12</td><td>18</td><td>15</td><td>•</td><td>:</td><td>:</td><td>•</td><td>:</td></t<>		Road Construction.	11	13	34	73	63	12	18	15	•	:	:	•	:
Mining         3         11         6         7         1         2         2         2 <t< td=""><td></td><td>Logging</td><td>13</td><td>53</td><td>22</td><td>39</td><td>17</td><td>25</td><td>20</td><td>19</td><td></td><td>75</td><td>77</td><td>75</td><td>75</td></t<>		Logging	13	53	22	39	17	25	20	19		75	77	75	75
Prospectors		Mining	3	11	9	7	H	7	2	7	•		:		:
Incendiary	48		2	11	00	3	p=1	4	1	1		:	•	:	:
74         148         123         194         229         116         97         143         Miscellaneous         289         216         198         1           252         928         302         275         219         242         310         445         Lightning         295         319         591         2           881         2,252         1,017         1,671         1,578         1,027         956         1,305         TGAL         1,521         1,885         1,829         1,5           629         1,324         715         1,339         785         646         860         Man-Caused         1,251         1,561         1,238         1,0           71         59         70         84         86         76         80         Man-Caused         1,256         1,238         1,0           71         59         70         84         86         76         80 </td <td>3</td> <td></td> <td>25</td> <td>31</td> <td>00</td> <td>26</td> <td>43</td> <td>13</td> <td>12</td> <td>31</td> <td>Incendiary</td> <td>38</td> <td>36</td> <td>36</td> <td>1.5</td>	3		25	31	00	26	43	13	12	31	Incendiary	38	36	36	1.5
9         32         2         32         17         14         11         11         Unknown         10         20         9           252         928         302         275         219         242         310         445         Lightning         295         319         591         2           629         1,324         7,52         1,027         956         1,305         Lightning         1,521         1,885         1,825		Miscellaneous	74	148	123	194	229	116	26	143		289	216	198	190
252 928 302 275 219 242 310 445 Lightning 295 319 591 2  881 2,252 1,017 1,671 1,558 1,027 956 1,305 TOTAL 1,521 1,885 1,829 1,7  629 1,324 715 1,396 1,339 785 646 860 Man-Caused 1,226 1,566 1,238 1,0  71 59 70 84 86 76 68 66		Unknown	6	32	2	32	17	14	11	11	Unknown	10	20	6	10
881 2,552 1,017 1,671 1,558 1,027 956 1,305 TOTAL 1,521 1,885 1,829 1,2		Lightning	252	928	302	275	219	242	310	445		295	319	591	202
629     1,324     715     1,396     1,339     785     646     860     Man-Caused     1,226     1,566     1,236 <t< td=""><td></td><td>Total</td><td>881</td><td>2,252</td><td>1,017</td><td>1,671</td><td>1,558</td><td>1,027</td><td>926</td><td>1,305</td><td>TOTAL</td><td>1,521</td><td>1,885</td><td>1,829</td><td>1,218</td></t<>		Total	881	2,252	1,017	1,671	1,558	1,027	926	1,305	TOTAL	1,521	1,885	1,829	1,218
70 84 86 76 68 66		Man Caused - Total	629		715	1,396	1,339	785	646	860		1,226	1,566	1,238	1,016
62 55 71 38 31 54 Prosecutions. 48 71 22 56 41 62 35 30 47 Convictions. 43 65 22		Percentage	71	59	20	28	98	76	89	99		81	83	89	83
56 41 62 35 30 47 Convictions 43 65 22		Prosecutions	•			55	71	38	31	54	Prosecutions.	48		22	37
		Convictions	•	•		41	62	35	30	47		43			34

\*Preliminary report to December 1, 1965.

			-	-	-	-										
	MEANS OF DETECTION	19	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	*1965
	Lands & Forests Towers Lands & Forests Aircraft Commercial Aircraft Lands & Forests Personnel Other Prov. Govt. Employees.		344 139 82 82 530	528 216  122  654	353 126  46  356	891 395 102 864	262 189  57 509	575 202 202 141 753	581 121 87 87 769	414 91 91 85 83	304 158  63 431	419 246 74 74 566	555 131 92 743	620 206 97 119 92 27 824	611 178 55 34 116 41 794	414 115  69  620
	SIZE 19	1951 19	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	*1965
4	1/4 acre	329 3	391	200	354	846	395	575	490	470	416	502	029	969	845	578
9	1/4-10 acres	428 5	581	821	428	1,124	502	861	861	493	448	639	744	949	829	554
	10-100 acres	115 1	103	146	81	188	99	187	178	26	59	112	22	201	122	70
	100-500 acres	21	16	33	6	52	26	37	20	6	23	12	17	30	22	13
	Over 500 acres	11	4	20	6	42	28	11	6	1	10	40	9	6	11	3

\*Preliminary report to December 1, 1965.

### FOREST PROTECTION PERMITS

	77.	WORK I	PERMITS	TRAVEL	PERMITS
Year	Fire Permits	Permits	Men	Permits	Persons
1926	13,466				
1927	13,593			6,548	15,669
1928	13,611			15,406	42,566
1929	14,038		*****	20,738	51,443
1930	15,094		• • • • •	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	• • • • •	• • • • •	9,774	28,606
1936	18,964		• • • • •	8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,471
1961	20,956	4,631	47,916	108,108	393,510
1962	22,298	4,590	42,375	108,771	366,985
1963	23,523	4,358	40,028	111,960	271,799
1964	23,210	4,193	39,136	86,567	300,354

### MAJOR EQUIPMENT March 31st

	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Portable Power Pumps Portable Hand Pumps. Hose (000's Feet)	1,062 6,406 2,826	1,097 6,362 2,714	1,218 7,907 3,319	1,215 7,899 3,312	1,255 8,712 3,890	1,396 8,336 3,551	1,271 8,344 3,712	1,225 8,237 3,664	1,201 7,977 3,483	1,145 8,159 3,230	1,117 7,873 3,424	1,053 7,865 3,212
Tents Eiderdowns	2,030	1,997 1,365 32,668	2,376 1,506 31,582	2,469 1,538 29,288	2,438 1,597 29,505	2,483 1,671 29,024	2,391 1,739 30,540	2,433 1,750 31,946	2,618 1,780 33,756	2,542 1,828 36,075	2,618 1,764 37,033	2,502 1,876 38,071
Binoculars	575	573	642	609	615	647	629	661	899	691	929	718
Canoes	1,061 379 690 61	1,114 418 752 55	1,087 434 771 64	1,073 459 771 60	1,052 493 800 59	1,005 519 785 48	954 534 809 44	930 538 807 42	922 568 834 31	868 570 837 40	859 584 841 38	816 652 884 33
Barges and Scows	•	•	•	4	9	7	9	6	9	ro	гo	9
Trucks and Autos Trailers	730	715 107 101	786 141 121	751 166 134	861 205 312	918 249 186	905 263 184	945 277 194	949 282 198	967 302 214	988 305 211	979 325 216
Railway Motor Cars	49	45.	47	46	44	44	42 20	41	42	38	36	35
Snowmobiles	•	7	00	10	14	10	13	14	16	22	29	40
Radio Sets, Stations	989	801	825	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247
Steel Towers	279	280	288	292	302	308	315	318	323	323	323	323

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Rly	Mtr	Cars	•	•	7		V	1	n	•	9			•	•	•					7	2	•	ped	1 4		٠, د	7		•	•	:	0		٠							35		
	Trac-	tors	14	S	9	4	. [	- 1	-	12	9	14	4	20	16	30	00	LC.	9	OT	2	12	n	7	. [		4.4	4			1		•	:		60	)	60	2	0		216		
	Trail-	ers	19	6	11	-	4 0	0	90	25			11	90	28	22	7	14	2 7	14	12	18	7	12	300	0 4 6	57	10		•	•		•			~	•	_		13	10	325		
Mtr	vehi-	cles	53	30	35	0 0	3.	41	24	43	37	000	67	48	55	6.1	47	77	01	25	48	59	3.1	17	- t	22	45	26		_	•					0 L/	3	*		4 (	23	626		
Out-	Bd.	Mtrs	18	26	2 4	2 5	20	40	25	17	27	0	20	34	44	· cc	9 9	0 4	44	20	43	34	2	0 0	20	7.4	51	28		61					•	•	•		O F	ומ	20	884		
S	In-	Bd.	¥	,		* 0	7	7				•	-	4		,	• -	4 6	7	:	_	-	4 #	- 1	-	•	_								•	:	:		•	•	•	33		
Boats	Not		23	2 5	1:	3 3	22	19	12	12	4	^	7	30	42	10	0 0	74	44	39	2.2	33	9 4	47	29	78	20	13	1	-				0	•	•			0 (	7	32	652		
	Can-	land		4 0	K 0	4.7	34	48	33	2	4 6	48	7	36	0 0	2,0	0 ;	99	41	62	L.	0 4	0,1	150	22	33	15	24	5	per	4	•	•		:		*		22	7	38	816		
Bin-			100	¢ [	17	37	24	42	2.1	4 0	47	34	18	22	30	K7	40	40	36	23	27	200	07	2.1	40	25	40	17	17		•	:	•	•		-			4		29	718	h Branch	
Sleen-	ing	Bags	,	0 (	60	83	86	37	99	7		22	13	45	2 7	41	00	66	00	112	255	771	12	94	93	108	62	7 0	5	0.7	70	7	0 0	8	2	0			-	118	275	1,876	**Includes Research Branch	
		Tents		0 (	123	142	86	106	133	0/2	3	114	Ľ	200	120	42	17	126	61	111	101	180	194	208	142	800	7.1	30	44	£	22	•		100	0	52	1		9		108	2,502	**Includ	
	Dies	Pote l	Poets	47	2,679	2,330	1 241	1000	4 6 6 7	1,41/		1.545	300	071	1,556	657	286	1.855	80.1	140	2,147	2,414	3,508	2,347	2.116	1,672	4,004	5 14	1,459		1,666	•		1,296	3	1.090			667		86	38,071		
(00) = 54)	(00.8.10)	FIFE	HOSE	222	1,266	1,669	1 076	1000	5 000°	1,001	307	1 335	4,000	309	1,579	1,145	290	1.081	1 174	1,114	1,100	2,085	2,474	2,206	2 811	1000	17,41	804	1,123	1	881	0 0 0		160		1.031	26		145		9	32,122	B - Barges.	
	e	5	Hand	107	211	4 10	111	111	457	189	216	450	410	707	3 12	395	266	328	0 0	780	297	388	622	450	434	200	707	249	269		268			245		7 12	2		30		•	7.865		
	Portable	Fumps	Power	10	40	o oc	0 0	37	77	35	35	2 6	77	14	67	48	30	96	2 .	43	40	52	7.1	7.1	100	00	97	43	37		28			43	- :	14	17		11	44	• LI	1,053	S - Snow Vehicles;	
		LOCATIONS		Avlmer	Chanlash	Cohespa	Cocm ane	Fort Frances	Geraldton	Gorama	Hoenalar	Heaperer	wapuskasıng	o Kemptville	E Kenora	Lindsav	-			_	Pembroke	Port Arthur	Soult Sto. Marie	Ctone Lookont	Sloux Lookout	Sudbury	Swastika	Tweed	White River		Central			- Mid-Western	South-Eastern		South-Western					TOTAL	*V - Velocipedes; S	

### AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W. Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director,

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D. H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and bullt to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Fifteen Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

An Otter was written off in north-western fire area in 1961.

In spite of unfavourable flying conditions, only 26 aircraft have been written off. The last of 19 flying fatalities occured in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically. In 1961, they were modified to turn inwardly.

W.B. Buckworth was appointed Supervisor on February 19, 1962.

In 1963, two water-dropping buckets (45 and 75 gallons) were developed for use with leased helicopters; a 200-gallon tank was installed on an Otter.

The first two of the new Turbo-Beavers were delivered in January, 1965. Four more were purchased later in the year.

T.C. Cooke was appointed Supervisor on August 1, 1965.

TOTAL	174,378:35	13,530:45 11,057:10 12,800:20	11,888:50 12,564:10 12,388:30	17,785:10 11,692:20 12,506:20 12,277:35 11,984:00	12,568:30 14,485:45 12,541:45 14,801:00 13,247:15	383,498:00
Miscel- laneous	75,674	3,968 2,998 3,171	2,609	2,077 2,053 2,086 2,376 2,169	1,967 1,830 2,297 2,389 2,702	115,821
Mercy Flights	361	64	35.5	25 4 4 8 4 4 8 4 4 4 4 4 4 4 4 4 4 4 4 4	72 33 26 24 25	1,124
Photo	1,415	273	280 186 244	130		2,700
Inter- Dept.	•	278 232 188	150 574 398	458 384 327 421 475	470 370 454 560 350	680,9
*Research	1,030	303	266 386 284	192 199 212 189 228	200 170 201 205 239	4,664
Parks	•		• • • • • •	310	255 266 386 476 347	2,657
Lands	•	110 283 153	149 376 246	181 180 190 200 209	267 260 230 301 271	3,606
Surveys	:	• • • • • • •	97 124 181	128 72 23 23 15	4	663
Fish and Wildlife	2,985	1,645 2,029 2,086	1,980	2,333 2,289 2,837 3,615 3,569	3,455 3,628 3,862 3,876 3,579	48,102
Timber	4,182	605 938 903	674 982 1,048	835 986 801 876 883	965 799 923 1,125	18,792
Fire Ranging	88,732	6,925	5,278 6,302 5,095	111,396 5,347 5,652 4,275 4,053	4,914 7,130 4,169 5,837 4,467	Fotal: 179,280
YEAR	1924-	1950	1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964	fotal:

### AIR SERVICE SUMMARY (Continued)

in years ending March 31st

		in years eno	ing made on orse	Effect	ive
	Mercy	Passengers	Personnel	Loads C	
YEAR	Flights	Carried	Carried	Tons	Pounds
1924-					
1949	* *	165,583	89,206	27,233	1,067
1950	• •	30,687	5,918	3,982	76
1951		27,140	5,140	3,366	1,111
1952		30,439	5,410	3,663	1,616
1953		25,900	5,346	3,078	1,262
1954		31,109	7,245	3,918	605
1955	* *	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4,871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
Total:	• •	652,668	176,284	102,174	146

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,908:50

### PILOTS' FLYING TIME March 31, 1965

PILOTS		1924-64	1964-65	TOTAL
Allen	D.W.	3.784:55	473:40	4,258:3
Ballantyne	D.E.	2,631:00	369:10	3,000:1
Beaushene	G.D.	4,475:00	457:00	4,932:0
Bieck	A.H.	2,350:30	361:40	2.712:1
Burtt	A.E.	9,045:45	328:30	9,374:1
0.1	D D	2 0/1.45	472 - 15	4,334:0
Calver	D.R.	3,861:45	472:15	6,468:3
Campbe 11	G.E.	5,901:25	567:10 693:55	8,735:5
Colfer	A . P .	8,041:55		
Cooke Cram	T.C. W.W.	8,444:50 1,828:20	57:30 291:20	8,502:2 2,119:4
		· ·		ŕ
Croft	B.R.	2,158:30	314:35	2,473:0
Croal	D.M.	2,724:15	593:45	3,318:0
Culliton	J.E.	757:15	346:20	1,103:3
Denley	J.G.	8,139:40	267:00	8,406:4
Evans	F.B.	5,139:00	286:25	5,425:
Fiskar	U.W.	4,927:30	430:15	5,357:4
lennie	N.A.	3,535:15	322:45	3,858:
loar	H . A .	3,385:35	193:05	3,578:4
loeberg	P.S.	3,888:50	354:30	4,243:
lowe	F.R.	100:50	262:05	362:
Kincaid	J.	8,476:05	103:35	8,579:
Kirk	C.J.	5,333:05	303:00	5,636:
Lamont	J.A.	4.417:05	325:20	4,742:
LeFeuvre	C.J.	9,916:25	425:00	10,341:
Lowe	B.	2,037:55	220:45	2,258:
Marych	Е.		284:35	284:
McLeod	A . K .		105:30	105:
McNabb	D.D.		244:50	244:
MacDougall	F.A.	5,393:20	93:40	5.487:
North	D.H.	1,727:10	211:50	1,939:
Parsons	R.	7,992:45	160:20	8,153:
Pike	S.J.	1,032:45	651:15	1,684:
Reid	D.M.	5,288:25	232:20	5,520:
Siegel	J.	5,845:40	352:20	6,198:
Speight	н.с.	8,973:45	565:35	9,539:
Taylor	J.M.	3,627:25	83:15	3,710:
Thomas	E.	4,265:55	256:35	4,522:
Thompson	F.J.	3,493:10	348:50	3,842:
Turcotte	L.J.	1,941:25	487:45	2,429:
Weisflock	E.J.	1,741:23	348:00	348:
Other Pilots		206,277:25		206,277:
Total Hours		371,161:50	13,247:15	384,409:

46 AIRCRAFT	Year Purchased	Effective Loads Carried (Tons) 1964-65		ING HOURS 1924-65
33 BEAVER				
CF-0BS	1948	58	238:50	6,189:15
CF-0BY	1948	35	84:00	4,490:55
CF-0BZ	1948	98	70:55	5,175:00
CF-OCA	1948	49	209:30	4,688:45
CF-OCB	1948	72	317:00	5,756:40
CF-0CC	1948	258	552:40	5,237:50
CF-OCD	1948	70	254:15	4,621:55
CF-OCE	1949	167	323:45	5,610:43
CF-OCG	1949	61	175:05	4,241:40
CF-OCH	1949	97	320:50	5,030:50
CF-0CJ	1949	182	486:20	4,774:20
CF-OCK	1949	93	314:00	4,955:35
CF-OCL	1949	48	191:00	4,358:25
CF-0CN	1949	140	284:50	5,332:35
CF-0C0	1949	113	291:40	5,295:25
CF-0CP	1949	153	445:25	5,890:40
CF-0CQ	1949	120	508:50	5,779:00
CF-0CS	1949	36	158:25	4,880:40
CF-OCT	1949	100	358:25	5,393:30
CF-0CU	1950	133	368:20	5,062:40
CF-0CV	1950	64	241:00	4,572:25
CF-OCX	1950	97	385:20	4,529:10
CF-OCY	1950	94	409:35	4,438:30
CF-0CZ	1950	83	282:40	3,534:00
CF-ODA	1951	21	126:30	3,943:55
CF-ODB	1951	74	343:50	4,911:00
CF-ODC	1951	39	265:35	5,613:55
CF-ODD	1951	106	366:50	1,829:25
CF-ODE	1951	20	169:05	3,741:30
CF-ODF	1952	81	271:05	3,975:20
CF-ODG	1952	105	541:45	4,968:20
CF-ODO	1955	6	94:10	1,047:35
CF-ODS	1956	20	117:20	907:50
10 OTTER	2000	***		
CF-ODJ	1953	190	386:55	3,744:20
CF-ODK	1953	97	205:00	2,979:40
CF-ODL	1953	5 10	300:35	3,514:35
CF-ODP	1956	180	242:00	2,424:00
CF-ODQ	1956	201	351:10	2,830:10
CF-ODU	1960	305	345:40	1,599:03
CF-ODV	1961	186	564:15	2,235:55
CF-ODW	1961	330	354:20	1,364:50
CF-ODX	1962	2 13	273:55	688:55
CF-ODY	1962	233	299:00	633:25
WIDGEON CF-ODR	1956	20	212:50	1,973:40
		20	212.50	1,773.40
2 TURBO-BEAV		10	700 46	300 11
CF-0EA	1965	18	100:40	100:40
	1965	8	42:05	42:05
CF-0EB	2700			
		• • •	• • • • •	208,537:20

# AIR SERVICE BASE OPENING DATES (or First Float Flying)

\*Year Round Base

1943	8 May 5 June 17 May 12 May	18 May 12 May 18 May 28 May 11 May	11 May 22 May 21 May 10 May	17 May 7 May 18 May 19 May
1942	26 April 5 May 27 April 29 April	29 April 29 April 1 May 8 July 4 May	29 April 4 May 5 May 24 April	29 April 29 April 29 April 5 May
1941	21 April 10 May 2 May 2 May	I May 30 April 13 May 12 May 1 May	14 May 1 May 10 May 17 May	1 May 30 April 3 May 12 May
1940	5 May 19 May 7 May 15 May	18 May 15 May 22 May 28 May 9 May	24 May 9 May 23 May 29 May 2 May	18 May 4 May 7 May 23 May
1939	7 May 15 May 12 May 11 May	12 May 9 May 16 May 19 May 14 May	29 May 12 May 13 May 22 May 28 April	11 May 5 May 13 May 18 May
1938	6 May 24 May 2 May 11 May	14 May 12 May 9 May 14 May	18 May 14 May 16 May 16 May 21 April	5 May 30 April 3 May 16 May
1937	3 May 17 May 8 May 13 May 25 May	17 May 15 May 7 May 10 May	27 April 27 April 14 May	13 May 4 May 18 May
1936	4 May 24 May 14 May 19 May 19 May	19 May 18 May 24 May 24 May	28 May 15 May 1 June 1 April	18 May 8 May 1 June
1935	1 May 21 May 14 May 3 May 17 May	15 May 10 May 20 May 23 May	3 May 23 May 2 May	16 May 2 May 21 May 16 May
1934	4 May 25 May 14 May 15 May 20 May	16 May 11 May 19 May 26 May	12 May 25 May 24 April	16 May 8 May 26 May 19 May
1933	29 April 27 May 15 May 16 May	3 July 10 May 16 May 10 June	6 May	10 May 3 May 14 May 15 May
BASE	* Algonquin Park Caribou Lake Biscotasing Fort Frances	Ignace	Port Arthur Red Lake Remi Lake * Sault Ste. Marie.	Sioux Lookout Sudbury Temagami Twin Lakes

## AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

\*Year Round Base

BASE	1944	1945	1946	1947	1948	1949	1950	1921	1952	1953	1954
*Algonquin Park Carey Lake Caribou Lake *Chapleau	3 May 19 May 7 May	26 April 12 May 26 April	30 April 23 May 22 April	8 May 3 June 17 May	19 April 19 May 8 May 28 April	2 April 9 May 10 May 7 May	17 May 1 June 16 May 20 May	29 April 21 May 30 April	24 April 10 May 7 May 8 May	21 April 15 May 14 May 8 May	29 April 18 May 27 May 4 May
*Eva Lake Fort Frances *Geraldton *Gogama	15 May 14 May 19 May	27 April	27 April 7 May	16 May 20 May 14 May 20 May	8 May 11 May 14 May 27 April 10 May	1 May 30 April 4 May 30 April 3 May	20 May 24 May 20 May 8 May 22 May	10 May 7 May 9 May 24 April 9 May	30 April 1 May 5 May 23 April 1 May	29 April 4 May 7 May 29 April 5 May	17 May 13 May 18 May 3 May 18 May
Kenogami Lake  "Kenora  Dauzon Lake  Oba Lake  Orient Bay	20 May 17 May 23 May	10 May 5 May 23 May	14 May 7 May 7 May	20 May 27 May 12 June	8 May 5 May 18 May	3 May 10 May 12 May	22 May 8 May 23 May	10 May 10 May 8 May 16 May	2 May 1 May 8 May 7 May	7 May 7 May 18 April 10 May 8 May	9 May 18 May 28 April 15 May 21 May
Parry Sound Pays Plat Pickle Lake *Port Arthur Red Lake	5 May 16 May 19 May	9 May 2 May 10 May	30 April 26 May 30 April 7 May	6 May 14 May 2 June 16 May 26 May	12 May 8 May 18 May 3 May 13 May	13 April 7 May 9 May 30 April 3 May	27 April 18 May 3 June 19 May 29 May	17 April 8 May 17 May 2 May 15 May	23 April 2 May 7 May 22 April 3 May	30 Mar. 6 May 13 May 30 April 8 May	20 April 11 May 2 June 7 May 21 May
*Sault Ste. Marie *Sioux Lookout South Porcupine. *Sudbury	17 May 27 April 15 May 8 May	3 May 10 April 10 May 1 May	15 May 11 April 3 May 3 May 13 April	2 June 30 April 20 May 27 May 14 May	10 May 14 April 12 May 1 May 27 April	4 May 7 April 1 May 3 May 25 April	23 May 6 April 27 May 19 May 12 April	3 May 9 April 12 May 30 April 25 April	2 May 7 April 3 May 1 May 28 April	13 May 27 Mar. 7 May 5 May 20 April	19 May 13 April 20 May 5 May 29 April
Temagami *Toronto Twin Lakes	8 May	20 April 12 May	23 April 22 May	17 May 8 June	27 April 14 May	20 April 12 May	15 May 30 May	1 May 1 May	1 May 30 April 16 May	28 April 21 April 13 May 11 May	4 May 18 April 22 May 18 May

*Year Round Base		AIR SE	AIR SERVICE BASE OPENING DATES (or First Float Flying)	OPENING D	ATES (or Firs	t Float Flying	(Continued)	_			
BASE	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
* Algonquin Park Carey Lake Caribou Lake * Chajleau Eva Lake	21 April 30 April 1 May 22 April 28 April	11 May 27 May 1 June 14 May 16 May	25 April 7 May 13 May 3 May 6 May (M	11 23 April 5 May 9 May 12 May 15 May 15 May 24 April 4 May (Moved to Nym Lake)	5 May 12 May 15 May 4 May m Lake)	2 May 23 May 22 May 11 May	4 May 10 May 24 May 4 April	3 May 13 May 25 May 7 May	24 April 9 May 20 May 29 April	7 May 13 May 11 May 1 May	15 Maj 13 Maj 17 Maj 7 Maj
* Fort Frances * Geraldton * Gogama Ignace Kenogami Lake	27 April 27 April 22 April 28 April 26 April	16 May 17 May 14 May 16 May 22 May	29 April 7 May 1 May 6 May 10 May	18 April 5 May 28 April 2 May 4 May	28 April 10 May 6 May 8 May 12 May	4 May 18 May 5 May 12 May 18 May	1 May 11 May 10 May 11 May 13 May	1 May 16 May 7 May 11 May 10 May	25 April 7 May 1 May 8 May 8 May	4 May 1 May 1 May 8 May 4 May	4 May 11 May 7 May 13 May 12 May
* Kenora	27 April 19 April 28 April 1 May	17 May 7 May 16 May 1 June	6 May 29 April 9 May 13 May (M	15 April 17 April 2 May (Moved to Po	30 April 20 April 8 May 11 May rt Arthur)	12 May 2 May 12 May 23 May	11 May 26 April 12 May 11 May	9 May 26 April 16 May 15 May	6 May 22 April 8 May	8 May 30 April 8 May	3 May 4 May 11 May
Parry Sound Pays Plat *Pembroke Pickle Lake * Port Arthur	18 April 4 May 6 May 22 April 28 April	3 May 15 May 1 June 30 April 19 May	28 April 6 May 13 May 29 April 9 May	21 April 2 May 16 May 30 April 2 May	27 April 8 May 15 May 24 April 14 May	27 April 12 May  20 May 13 May 16 May	26 May 10 May 4 May 19 May 29 April 19 May	25 April 11 May 26 April 16 May 2 May 15 May	22 April 23 April 17 May 5 May 8 May	23 April 8 May 25 April 17 May 5 May 10 May	4 May 11 May 4 Ma; 13 Ma; 11 May 12 Ma;
Remi Lake * Sault Ste. Marie * Sioux Lookout South Porcupine. * Sudbury	29 April 19 April 27 April 27 April 19 April	21 May 3 May 19 May 15 May 9 May	6 May 29 April 10 May 6 May 1 May	7 May 26 March 1 May 2 May 18 April	12 May 8 April 14 May 8 May 1 May	19 May 11 April 16 May 16 May 4 May	11 May 4 April 16 May 11 May 10 May	15 May 2 April 8 May 9 May 27 April	9 May 3 April 2 May 11 May 24 April	6 May 3 April 7 May 4 May 28 April	12 Ma 10 Ma 11 Ma 8 Ma
Temagami *Toronto Tweed Twin Lakes	26 April 22 April 6 May 29 April	17 May 20 April 17 June 21 May	3 May 22 April 28 April 10 May 10 May	2 May 20 April 18 April 13 May 2 May	8 May 28 April 27 April 15 May 12 May	11 May 28 April 28 April 25 May 20 May	17 May 19 April 25 April 21 May 12 May	9 May 6 April 25 April 22 May 15 May	1 May 17 April 18 April 15 May 15 May	4 May 20 April 23 April 11 May 10 May	14 Ma 4 Ma 13 Ma 11 Ma

## DEPARTMENT RADIO STATIONS

			NORMALO FREQU	
DISTRICT	STATION	CALL SIGN		V.H.F. Mc/s
FORT FRANCES	Fort Frances Lac La Croix Atikokan	XLN2 1 XLN2 2 XLQ 7 1	4460	46.62
	Rainy River	XLR59		
	French Lake	XMN23		*
	Nym Lake	XLN234		19
	Cache Bay Prairie Portage	XLN233 XLN232	11	10
	Cabin 16 Beaverhouse Lake	XLN29	п	*
	Cabin	XLN275	н	н
KENORA	Kenora	XLN34	4460	46.78
	Minaki Sioux Narrows	XLN32 XLR42	H	
	Dryden	XLN35	88	10
	Nestor Falls	XLN24		
	Vermillion Bay Dyment	XLS87 XL096		10 10
SIOUX	Sioux Lookout	XLN37	4460	46.86
LOOKOUT	Red Lake Pickle Lake	XLN43 XLN38	99	n
	Ear Falls	XMN50	n	10
	Big Trout Lake	XLR62	н	
	Ignace	XLN23	19	н
PORT	Port Arthur	XLN45	4580	46.70
ARTHUR	Shebandowan	SLN47	19	19
	Black Sturgeon Lake Upsala	XLN48 XLN217	10	10
	Saganaga Lake	XLN218	н	
	Dorion	XMN78		n
	Armstrong	XLN40	19	10
	Sibley Park	XLN285		n
GERALDT ON	Geraldton	ХЦ035	4580	46.78
	Pays Plat	XLN56 XLN54		"
	Marathon Killala Lake	XLN55	п	
	Hillsport	XLQ46	13	
	Nakina	XLS53	11	10
	Longlac Macdiarmid	XLS52 XLN49	11	11
	un	VILLEC	4000	46.60
WHITE	White River	XLu78 XLN62	4880	46.62
RIVER	Franz Wawa	XLN63	19	11
	Mobert	XLN61	10	n
	Manitouwadge Lake	XMN25	19	19

	0 1 0 H	WINE O	4000	47 70
SAULT	Sault Ste. Marie	XLN58	4880	46.78
STE. MARIE	Blind River	XLN65	n	"
	Ranger Lake	XLN261		
	Elliot Lake	XLN264	11	89
	Peshu Lake	XL041	Ħ	11
	Sand Lake	XLU77	19	11
	Pancake Bay	XLR39	19	
		XLP44		
	Kirkwood		19	41
	Mount Lake	XLR69	17	
	Camp 4	XLR70		"
G.OGAMA	Gogama	XLN78	4880	46.82
0.0071741	Elsas	XLN79	11	
		XLN84		19
	Foleyet			10
	Opishing Lake	XLN42		
	Ronda	XLP69		
	Marne Lake	XLN283		
CHAPLEAU	Chapleau	XLN82	4880	46.70
GHATLEAU			1000	90070
	Missanable	XLR52	n	н
	Sultan	XL073	19	19
	Biscotasing	XLN80		10
	Unegam Lake	XLN205	99	
	Racine Lake	XMN77		п
	Wrong Lake	XLP46	19	11
	m ong amic	10		
CHADIDIT I	211	VI NEED	4000	47.07
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead	XLQ 80		н
	Espano la	XLQ44	н	11
	Jamot	XLR30	19	н
	Massey	XLR29	10	17
	Windy Lake	XLR67	16	n
	Southbaymouth	XLS86	19	10
			н	77
	Sandfield	XLR68		99
	Stinson	XLN239		
	Fairbank Lake	XLN39		19
	George Lake	XLS85	19	10
	Little Current	XMN24		19
	Panache Lake	XLN279		п
KAPUS-	Vanuelasing	VI D7 9	4525	46 97
	Kapuskasing	XLP78	4535	46 • 86
KASING	Hearst	XLN69	11	
	Hornepayne	XLN73		19
	0ba	XLN74	11	
	Nagogamisis Lake	XLN237		17
	Remi Lake Park	XLN288		11
	Rogers Township	XLR71		
	р	*******		
COCIID	2 1	*** () =		
COCHRANE	Cochrane	XLQ 37	4535	46.78
	Timmins	XLN70	н	n
	Eades	XLN71	n	н
	Wade Lake	XLQ45	10	19
	Moosonee	XMN43	19	11
	Smooth Rock Falls	XLQ76		19
	Nellie Lake			19
		XLN208		17
	Kettle Lakes Park	XLN2U9		
	62			

SWASTIKA	Swastika Elk Lake Matheson Larder Lake Mutachewan Gowganda Hills Lake Englehart Burt Twp. Nursery	XLN68 XLN72 ;LS54 XLN95 XLN60 XL090 XL089 XL089 XLR64 XLN212	4535 n	46.62
NORTH BAY	North Bay Temagami Lady Evelyn Lake Latchford McConnell Lake Bear Island Haddo Devils Lake Field Samuel de Champlain Marten River	XLN83 XLN81 XLN42 XLN252 XLN246 XLN251 XLP45 XLN253 XLN247 XLN270 XLN274	n	10 10 17 17 11 17 17 19
PEMBROKE	Pembroke Smoke Lake Brent Stonecliffe Whitney Achray Round Lake Kiosk Sasajewun Lake Swan Lake	XLN92 XLN90 XLN91 XLN94 XLQ43 XLQ47 XLR40 XLN50 XLN50 XLN55	4775	46.82
PARRY SOUND	Parry Sound Loring Powassan Byng Inlet Ardbeg Dorset Bracebridge	XLN89 XLN93 XMN35 XL524 XMN33 XMN34 XMN75	4520	46.62
TWEED	Tweed Bancroft Palmer Rapids Dacre Plevna Gilmour White Lake Napanee Green Lake Bon Echo Park Outlet Park	XLQ69 XLQ50 XLR41 XLS23 XLN53 XMN40 XLP75 XLQ31 XLR61 XLR286 XLN286	4775 "1 "1 "1	46.70
LINDSAY	Lindsay Minden Gooderham Orono Haliburton Presqu'ile Park	XLR57 XL070 XMN27 XMN29 XLR43 XLN46	4775 ""	46.78

LINDSAY (Continued)	Apsley Ranger School Darlington Park Balsam Lake Park	XMN44 XLN25 XLN280 XLN289	4775 "	46.78
KEMPTVILLE	Kemptville La Rose Westport Fitzroy Park Lanark	XMN4 1 XMN5 1 XLQ 54 XLN272 XL087	4775	46.62 n
LAKE ERIE	Aylmer Holiday Beach Park Wheatley St. Williams Rondeau Park Pinery Park	XL052 XLN267 XLN268 XMN28 XLR60 XLP90	4520	46.62
LAKE SIMCOE	Coldwater Severn Falls Honey Harbour Six Mile Lake Angus Sibbald Point Park Bass Lake Park	XMN36 XMN37 XMN39 XLR85 XLN269 XLN284 XLN287		46.82
LA KE HUR ON	Hespeler Miller Lake Owen Sound Inverhuron Park	XLN271 XLN276 XLN41 XLN61		46.70
HEAD OFFICE Toronto	Island Airport Maple Laboratory Maple	XL053 XLN20 XLP22	4775 3376 4520 4535 4775 4880 5410 5499 9160	46.82 46.62 46.70 46.74 46.78 46.82 46.86

Maple frequently uses 5410 and 9160 Kc/s to reach District Offices. Maple answers aircraft on their own frequency.

## PROVINCE-WIDE FIRE FREQUENCIES

H.F.-- 3376 Kc/s. V.H.F.--46.74 Mc/s.

## DEPARTMENT OF TRANSPORT AIRCRAFT FREQUENCIES

90 channels between 118 and 126.9 Mc/s, inclusive, in increments of 0.1~Mc/s.

NEW POLICIES

NEW POLICIES

## LANDS AND SURVEYS BRANCH

## SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

	Samuel Holland		
	Northern District of		
	North America	1764-1801	Surveyor-General
	Sir D. W. Smith	1802-1804	Surveyor-General
	C.B. Wyatt	1805-1807	Surveyor-General
	Thomas Ridout	1810-1829	Surveyor-General
	Hon. S. P. Hurd	1832-1835	Surveyor-General
	J. Macaulay	1836-1838	Surveyor-General
	Hon. R. B. Sullivan	1838-1840	Surveyor-General
	Thos. Parke	1841-1845	Surveyor-General
k	G. B. Kirkpatrick	1880-1917	Director of Surveys
k	L. V. Rorke	1918-1928	Director of Surveys
†	L. V. Rorke	1928-1936	Deputy Minister/
			Surveyor-General
İ	C.H. Fullerton	1936-1946	Surveyor-General
	F. W. Beatty	1946-1962	Surveyor-General
	Robert G. Code	1962-	Surveyor-General
	Robert G. Code	10024	Surveyor -General

- \* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.
- † Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.
- Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning and Engineering Sections were added in 1962. Land Acquisition Section was created in 1963.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

## LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

## LANDS SECTION

Supervisor: T.W. Hueston
Management of public lands including
lands under water. Disposal by sale,
patent, vesting order, quit claim deed, lease,
licence of occupation or land use permit for many
private, commercial, industrial, municipal or public uses; release of reservations in patents, assignments, cancellations. Reservation of land for
parks, access points, other public and government
uses.

## SURVEYS SECTION

Supervisor: S. B. Panting

Surveys and descriptions on Crown lands for parks, Base and Meridian lines, summer resort and recreational purposes, lands for acquisition or disposition. Retracement surveys and restoration of original Crown survey points.

Inspection, recording and custody of original plans and field notes of Crown and Municipal surveys.

Map compilation. Authorization of Geographical Names.

Distribution of maps, publications and copies of survey records.

Accounts payable, supplies and equipment.

## ENGINEERING SECTION

Approval of dams. Licences of occupation for dams, flooding and diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements. Plans for buildings, renovation of plant and equipment. Engineering consultations. Access Roads.

## LAND USE PLANNING SECTION

Supervision of the preparation of Land Use plans, Wilderness Areas, Advisory Committee on Recreational Land Use Planning, Private Lands Liaison Committee,

### LAND ACQUISITION SECTION

Supervisor: W. G. Maslen

Recommendations and applications for purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

## SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2, 400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square -
		no road allowances -
		Townships divided into 36
		sections.
1872	-	Townships 6 miles square -
		no road allowances -
		6 concessions and 12 lots.
1876	-	Townships - similar
		manner to Dominion Land
		Survey system - 36 sections
		with 1-1/2 chain road
		allowances around each
		section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 205 township subdivision surveys have been annulled, as of December 30th, 1964, under the provisions of Section 10 (1) of the Public Lands Act; the first annullment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The request for land for recreational use has increased greatly since 1948. To ensure orderly development, the Department adopted the policy of zoning areas for various uses and restricting the disposition of land for recreational purposes to areas accessible by public roads or railroads. Up to twenty percent of the shoreline is reserved for public and future use.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to September 30, 1965, a total of 644 plans of subdivision for summer resort purposes have been registered, covering 7, 719 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1965, the total installed capacity of power plants under lease and in service is 4,673,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,218,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

## LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

## LAND USE PLANNING SECTION

Created in 1958 to supervise and co-ordinate the functioning of land use planning. Recommendations for the establishment of Wilderness Areas including Nature Reserves are processed. The Recreational Land Use Planning Advisory Committee was established by Order-in-Council to advise on recreational planning in the departmental administrative districts. The Private Lands Liaison Committee is a joint committee with the Department of Agriculture to deal with common problems.

## LAND ACQUISITION SECTION

Created in 1963 this section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

## PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, plne trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

## LAND ACQUIRED BY CROWN

## Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962 1963	16,459 10,187	11,090 14,062	1,672 7,500	29,221 31,749
1964	9,399	2,139	10,500	22,038
1965	2,174*	7,969	12,081	22,224

<sup>\*</sup>Figures based on year ended December 31, 1964.

## DISPOSITION OF LAND BY PATENT - DOCUMENTS

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri- cultural	Summer Resort	Town, City Townplot	Quit Claims	Misc	Total
1921	500	307	30	30			867
1922	460	328	12	50			850
1923	411	471	18	51			951
1924	357	399	22	73			851
1925	367	329	45	115			856
1926	367	392	24	102			885
1927	251	336	12	110			609
1928	255	252	26	99			632
1929	220	318	15	79			632
1930	245	460	122	74			901
1931	205	437	126	72			840
1932	151	357	129	70			707
1933	88	188 173	122 112	70 69			495 528
1934 1935	154 46	58	44	21			177
1936	162	187	101	68			530
1937	111	104	149	53			433
1938	165	213	165	53 122			603 590
1939 1940	130 151	178 148	129 106	106			527
1940							
1941	154	172	126	86			552
1942	131	137	98	85			474
1943	181	161	127	50			541
1944 1945	218 226	359 315	231 206	76 108			954 929
1946	216	321	277	130			1,049
1947	168	433	496	249			1,491
1948 1949	164 107	299 225	446 756	153 146			1,062
1950	196	316	1,046	182			1,421
1951	150	256	1,125	143			1,849
1952 1953	165 120	242 256	1,294	90 126			1,948
1954	136	256	1,312	99			1,935
1955	87	188	1,479	70			1,957
							1,707
1956	59	118	1,384	85			1,778
1957	40	126	1,164	7			1,469
1958 1959	13 36	150 118	962 1,220	69 104			1,346
1960	44	109	1,946	104			1,587 2,368
1961	29	108	1,841	94			
					40	159	2,231
							1 807
1964	18	88					
1965	11	62	977	46	22	128	
1962 1963 1964	25 30 18	94 84 88	2,234 1,418 1,088	108 106 70	40 23 24 22	158 146 140 128	2,231 2,659 1,807 1,428 1,246

## DISPOSITION OF LAND BY PATENT -- ACREAGE

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri- cultural	Summer Resort		Quit Claims	Misc.	Total
1921 1922 1923 1924 1925	60,181 64,813 54,350 52,423 49,228	31,391 43,120 56,953 49,471 41,777	155 70 55 72 101	49 90 45 25 31			91,776 108,093 111,403 101,991 91,137
1926 1927 1928 1929 1930	47,115 33,882 35,903 30,185 33,243	47,493 42,326 31,069 41,035 51,059	58 31 55 31 400	35 37 127 34 112			94,701 76,276 67,154 71,285 84,814
1931 1932 1933 1934 1935	27,310 19,334 12,053 19,662 5,707	49,310 40,276 22,087 22,749 7,329	526 360 378 366 128	135 81 612 18 10			77,281 60,051 36,439 42,837 13,282
1936 1937 1938 1939 1940	21,340 14,658 20,490 17,569 18,206	22,999 12,331 27,266 20,575 17,236	349 423 402 523 522	43 24 122 130 126			44,777 27,523 48,418 40,817 36,279
1941 1942 1943 1944 1945	16,064 14,973 20,387 28,611 29,266	20,154 15,798 18,615 43,846 36,308	469 361 422 660 1,526	20 31 18 32 50			36,849 33,308 41,430 76,920 70,993
1946 1947 1948 1949 1950	26,068 21,669 22,119 14,360 24,287	36,683 52,190 32,930 26,435 35,484	781 1,765 1,154 1,985 2,616	130 175 166 67 112			74,158 89,072 56,369 55,979 118,960
1951 1952 1953 1954 1955	19,826 21,412 29,319 29,124 21,266	28,105 26,474 29,319 29,124 21,266	2,205 3,364 2,287 2,169 2,438	94 38 69 63 27			55,702 58,606 54,738 55,237 40,020
1956 1957 1958 1959 1960	7,502 5,259 1,847 4,658 5,910	12,206 14,883 15,472 12,206 11,380	1,588 1,411 1,350 1,588 2,011	1,613 830 323 52 295			29,183 27,558 24,612 21,060 29,970
1961 1962 1963 1964 1965	3,701 2,670 3,939 2,385 1,319	11,633 10,267 9,512 8,783 6,468	1,933 2,415 1,494 1,092 981	182 63 65 221	3,409 1,387 4,152 1,916	4,091 4,863 6,625 16,668	22,388 22,915 21,260 23,258 27,367

## FREE GRANT LAND in years ending March 31st

Vear	N.	Locations	Canc No.	Cancellations Acres	Assi No.	Assignments Acres	No.	Patents	Acres
1944	20	2,694	528	64,783	89	11,310	218		28,610
1945 1946 1948 1949	73 67 67 67 67	88872	2 4 4 4 4 5 5 5 5 6 5 6 6 6 6 6 6 6 6 6 6	61,459 51,906 48,578 30,536	120 122 64 54	14,214 15,523 8,415 7,085	216 168 164 107		26,068 21,668 22,119 14,360 24,287
1950 1951 1952 1953	4 60 60 6 8 8 7 8 4 6	3,608 3,411 2,757 1,757	289 159 250 200	35,371 19,785 21,874 30,784 25,755	23376 195376 7	7,747 5,060 3,452 2,618 1,005	150 165 120 136 87		19,826 21,411 16,131 17,713
1956 1957 1958 1959 1960	08044	2, 708 7,708 7,708 7,708 7,708 3,862 3,862	4 4 4 8 0 6 8 4 4 8 9 9 8 8 4 8 9 9 8 8 8 9 8 8 9 9 9 9	12,661 8,727 6,950 4,689 4,597	*~~~	517 151 156 160 50	0 4 4 6 4 0 7 8 6 4		7,501 6,089 6,483 4,658 5,911
1961 1962 1963 1964	::::		8 2 7 7 7 8 8 8 7 7 7 8 8 8 8 8 8 8 8 8	9,799 5,033 7,979 1,222	a : := :	156	29 25 30 11		3,701 2,670 3,939 2,385 1,319

## AGRICULTURAL LAND in years ending March 31st

Year         No.         Acres         Acres         No.         Acres         No.         Acres         No.         Acres         No.         Acres				Sales	Canc	Cancellations	Assig	Assignments	Ā	Patents
1944         325         31,934         445         39,615         177         20,124         359           1945         269         27,158         562         49,651         152         16,002         315           1946         281         26,535         438         42,933         162         17,464         321           1948         280         29,557         438         42,933         162         21,464         321           1948         280         29,577         438         42,933         162         21,464         321           1950         267         26,671         378         32,462         113         11,145         316           1951         267         26,671         378         22,134         69         7,673         25           1952         223         24,420         143         13,588         71         7,513         25           1952         186         21,345         70         7,560         25         25           1953         186         113,348         17,377         92         4,484         256           1954         18         18,532         161         17,087 <t< th=""><th>Y</th><th>ear</th><th>No.</th><th></th><th>No.</th><th>Acres</th><th>No.</th><th>Acres</th><th>No.</th><th>Acres</th></t<>	Y	ear	No.		No.	Acres	No.	Acres	No.	Acres
1946         28         27,158         562         49,651         152         16,002         315           1946         281         26,535         438         42,933         162         17,464         321           1948         280         29,557         438         42,933         162         27,464         321           1948         280         29,577         438         42,933         162         21,464         321           1950         267         26,671         378         35,095         105         12,392         225           1951         267         26,671         327         32,452         113         12,145         316           1952         26,671         327         22,134         69         7,673         256           1953         186         21,345         70         7,560         256           1954         144         14,534         13,144         256         256           1954         144         15,232         161         17,377         92         4,484         256           1955         101         10,533         161         17,087         7         4,484         126 <td>10</td> <td>244</td> <td>325</td> <td>31.934</td> <td>445</td> <td>39,615</td> <td>177</td> <td>20,124</td> <td>359</td> <td>43,845</td>	10	244	325	31.934	445	39,615	177	20,124	359	43,845
1946         281         26,535         438         42,933         162         17,464         321           1948         303         29,557         338         29,470         222         22,801         433           1948         277         28,740         378         35,095         105         113,392         225           1950         267         26,671         378         32,452         113         12,145         316           1951         26,671         378         32,452         113         12,145         316           1952         26,671         378         32,452         113         12,145         316           1952         26,671         378         7         7,573         256           1953         184         13,394         50         4,484         256           1954         15,232         161         17,377         92         4,131         188           1958         101         10,543         174         17,087         7         4,411         188           1958         101         10,607         141         17,087         7         4,411         105           1963 <td< td=""><td>15</td><td>945</td><td>269</td><td>27,158</td><td>562</td><td>49,651</td><td>152</td><td>16,002</td><td>315</td><td>36,307</td></td<>	15	945	269	27,158	562	49,651	152	16,002	315	36,307
1948         20         20         20         25         25         33         29         43           1948         280         29         506         402         37         69         185         21         667         29           1948         280         29         506         402         37         69         12         29         29           1950         267         26         71         75         29         29         29           1951         26         27         26         17         76         29         29           1952         26         27         26         17         76         29         25           1952         22         22         13         22         13         13         13         13         13         13         13         13         13         13         13         14         15         24         25         14         18         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25         25 <td>1</td> <td>247</td> <td>100</td> <td>26 535</td> <td>438</td> <td>42.933</td> <td>162</td> <td>17,464</td> <td>321</td> <td>36,683</td>	1	247	100	26 535	438	42.933	162	17,464	321	36,683
1948         28         29,506         402         37,069         185         21,667         299           1949         277         28,740         378         35,965         105         113,92         225           1950         267         26,771         378         37,965         113         12,145         316           1951         195         22,420         143         22,134         69         7,673         256           1953         126         24,220         143         13,588         71         7,560         256           1953         186         21,965         221         21,645         70         7,560         256           1953         186         131         13,377         92         4,131         188           1955         182         161         17,377         92         4,131         188           1957         18         18,533         191         19,038         15         1,461         126           1958         101         10,607         141         17,377         92         4,4131         188           1960         68         6,758         191         19,088         12 <td>10</td> <td>240</td> <td>303</td> <td>29,757</td> <td>338</td> <td>29,470</td> <td>222</td> <td>22,801</td> <td>433</td> <td>52,189</td>	10	240	303	29,757	338	29,470	222	22,801	433	52,189
1951         27         28,740         378         35,095         105         12,392         225           1950         267         26,671         32,452         113         12,145         316           1951         1952         22,134         69         7,673         256           1952         22,33         24,420         143         13,588         70         7,560         256           1953         186         21,645         70         7,560         256         242           1954         144         14,534         131         13,649         50         4,484         256           1955         144         14,534         184         18,513         26         3,008         148           1955         18         18,613         26         4,131         188         188           1957         18         19,11         17,037         26         4,131         188           1958         101         10,607         141         13,788         15         1,461         16           1959         68         6,758         59         5,788         3         1,27         10           1964	10	248	280	29,506	402	37,069	185	21,667	299	32,929
155/10         26/7         26/671         32,452         113         12,145         316           1951         267         26/671         327         32,452         113         12,145         316           1952         223         24,420         143         22,134         69         7,673         256           1953         186         21,955         121         22,134         69         7,673         256           1953         186         21,358         70         7,560         256         242           1955         158         131         13,049         50         4,484         256           1955         158         161         17,377         92         4,484         256           1957         82         161         17,377         92         4,484         256           1958         101         10,607         141         17,087         7         4,411         188           1959         101         10,607         141         13,788         12         1,461         105           1960         68         6,758         94         9,133         15         1,531         108	10	070	277	28.740	378	35,095	105	12,392	225	26,435
1951         195         19,228         221         22,134         69         7,673         256           1953         223         24,420         143         13,58         71         7,560         242           1953         186         21,965         21         21,358         70         7,560         256           1955         158         144         13.1         13,049         50         4,484         256           1955         158         153         161         17,377         92         4,484         256           1957         182         184         18,513         26         4,484         256           1957         101         10,607         141         17,377         92         4,131         188           1958         101         10,607         141         17,378         7         4,461         126           1959         101         10,607         141         13,788         12         1,227         110           1961         68         6,758         59         5,788         3         1,23         16           1962         1         10,20         58         5,862         4 <td>101</td> <td>950</td> <td>267</td> <td>26,671</td> <td>327</td> <td>32,452</td> <td>113</td> <td>12,145</td> <td>316</td> <td>35,483</td>	101	950	267	26,671	327	32,452	113	12,145	316	35,483
155.1         2.3         2.4,420         143         13,558         71         7,313         24.2           155.3         186         21,965         22.1         21,645         70         7,560         256           155.4         144         14,534         13.1         13.1         13.049         50         4,484         256           155.4         144         14,534         13.1         17,377         92         4,484         256           195.6         17         12,230         184         18,513         26         4,484         256           195.7         10.1         10,543         174         17,377         92         4,484         126           195.8         10.1         10,607         141         13,788         12         1,461         126           195.9         10.1         10,607         141         13,788         12         1,227         110           196.1         6.8         6,758         59         5,788         3         211         105           196.2         1.3         1.3         15         1,227         100         10           196.2         5.865         5,868 <td< td=""><td>1</td><td>120</td><td>105</td><td>19.228</td><td>221</td><td>22,134</td><td>69</td><td>7,673</td><td>256</td><td>28,104</td></td<>	1	120	105	19.228	221	22,134	69	7,673	256	28,104
155.2         186.2         21,965         221         21,645         70         7,560         256           1954         144         14,534         131         13,049         50         4,484         256           1955         158         15,232         161         17,049         70         7,560         256           1956         144         13,049         50         4,484         256         131         188           1956         117         12,230         184         18,513         26         3,008         148           1957         82         8683         191         19,038         15         1,461         126           1958         101         10,543         174         17,087         7         807         150           1959         68         6,758         59         5,788         3         1,227         110           1960         68         6,758         59         5,882         4         4         4         4           1963         7         1,102         58         5,868         5         446         84           1964         6         1,384         48         4	7	100	223	24 420	143	13,358	71	7,313	242	26,474
1954         14, 534         131         13,049         50         4,484         256           1955         15,8         15,232         161         17,377         92         4,181         188           1956         117         12,230         184         18,513         26         3,008         148           1958         101         10,607         191         19,087         7         807         150           1958         101         10,607         141         17,087         7         807         150           1960         68         6,758         141         13,788         12         1,227         110           1961         35         6,758         94         94         9,488         94         9,488         94           1963         5         5         5,868         5         446         84           1963         6         5         5         5,868         5         446         84           1964         6         5         6         5,869         5         6         88         88           1964         6         5         6         5         6         88		200	186	21,965	221	21,645	70	7,560	256	29,319
158         15,232         161         17,377         92         4,131         188           117         12,230         184         18,513         26         3,008         148           101         10,543         191         19,038         15         1,461         126           101         10,543         174         17,087         7         807         150           101         10,543         141         13,788         12         1,461         150           68         6,758         59         5,788         3         211         105           35         3,808         94         9,133         15         1,531         108           10         1,102         58         5,892         4         330         94           5         284         59         5,868         5         446         84           6         59         9         10         1         80         88           16         1,384         48         4,778          6         6		054	144	14.534	131	13,049	20	4,484	256	29,123
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		955	158	15,232	191	17,377	92	4,131	188	21,265
1,	1/4	\ L	117	17 230	184	18.513	26	3,008	148	17.892
101 10,543 174 17,087 7 807 150 150 101 10,607 141 13,788 12 1,227 110 100 6,758 59 5,788 3 2.11 105 110 10 10,607 13,808 94 9,133 15 1,531 108 10 1,284 59 5,882 4 446 84 5 6,384 48 4,778 62	1	0570	82	8 683	191	19,038	15	1,461	126	14,882
101 10,607 141 13,788 12 1,227 110 168 6,758 59 6,788 3 2,11 105 105 105 105 106 105 106 105 106 106 106 106 106 106 106 106 106 106	1	850	101	10.543	174	17,087	7	807	150	15,471
68         6,758         59         5,788         3         211         105           35         3,808         94         9,133         15         1,531         108           10         1,102         58         5,892         4         330         94           5         284         59         5,868         5         446         84           6         1,384         48         4,778         6         88	1 ~	050	101	10.607	141	13,788	12	1,227	110	11,644
35 3,808 94 9,133 15 1,531 108 10 1,102 58 5,892 4 330 94 5 284 59 5,868 5 446 84 6 549 9 810 1 80 88 16 1,384 48 4,778 62		096	89	6,758	59	5,788	60	211	105	10,980
10 1,102 58 5,892 4 330 94 5,868 5 446 84 646 84 6 59 6 1,384 48 4,778 62	-	0 6 1	25	3 808	94	9,133	15	1,531	108	11,633
5 284 59 5,868 5 446 84 6 549 9 810 1 80 88 16 1,384 48 4,778 · · · · · · · · · · · · · · · · · ·	4 -	700	3	1 102	00	5,892	4	330	94	10,267
6 549 9 810 1 80 88 16 1,384 48 4,778 ··· 62	1	200	e c	284	29	5,868	S	446	84	9,512
16 1,384 48 4,778 62	-	490	0 0	549	6	810	1	80	00 00	8,783
	-	965	16	1,384	48	4,778	:	:	62	6,468

SUMMER RESORT LAND in years ending March 31st.

Surveys	330	358 388 692 1,199	1,737 1,800 1,458 1,752 1,670	1,269 1,207 2,083 2,660 2,307	2,935 2,577 1,374 1939 726
s Acres	1,525	781 1,764 1,153 1,984 2,613	2,294 3,363 2,287 2,168 2,438	2,089 1,411 1,350 1,588 2,010	1,929 2,415 1,494 1,092 981
.Patents	231 206	277 496 446 756 1,046	1,125 1,294 1,263 1,312 1,479	1,384 1,164 1,220 1,946	1,840 2,234 1,18 1,088
ments Acres	15	32 186 107 95	3 94 127 72 42	17 17 15 23 25	26 26 8 7 8 8
Assignments No.	200	14 37 34 40 38	35 37 28	112 113 119 29	25 22 11 6
lations Acres	25	35 69 218 610	112 148 183 447 166	183 124 53 28 49	77 77 19 33
Cancellations No.	011	111 26 45	8 7 8 8 8 8 8 8	108 61 36 27 33	317558
es Acres	948	1,411 1,841 1,700 2,336 2,512	2,769 2,278 2,133 1,871	1,614 958 1,678 2,517 2,345	1,543 1,377 1,068 929 824
Sales No.	344	535 666 700 1,010	1,360 1,290 1,435	1,176 1,344 2,155 2,155	1,557 1,391 1,131 912 881
Year	1944	1946 1947 1948 1949	1951 1952 1953 1954	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

# CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

n Deeds Acres	: : : : : : : : : : : : : : : : : : : :	:::::	12.909	155.89 1.34 28.314 2.305 0.13
Quit Claim I No.			• • • • • • • • • • • • • • • • • • • •	13733
Patents Acres	129.55 175.39 66.634 111.60195	94.3345 38.274 68.950 63.0438 26.651	1,613,190 70,632 323.050 37,990 75,994	25.618 61.243 36.547 218.826 15.019
No.	130 249  146 182	143 90 126 99 70	85 85 69 101 99	91 105 99 67 45
Assignments Acres	4.66 6.67 8.904 21.764	2.2145 1.576 0.378 1.682 2.39	1.44 0.37 0.86 0.978 0.941	0.98 2.885 0.394
Assi No.	13 27 22 11	10 10 17 11	VU444	n ;∞⊶⊣
Cancellations No. Acres	10.92 2.39 17.182 1.668	30.05 1.695 13.82 23.308 5.271	6.06 5.04 1.159 2.109 1.1872	3.318 5.708 6.318 4.892 2.840
Canc No.	37 9 17 10	15 7 19 8 8	441 00 21	17 20 31 4
Sales	85.48 137.92 68.626	56.996 252.47 64.7477 28.604 15.411	44.690 60.547 15.693 30.8821 36.315	29.443 39.910 31.941 34.650 7.140
No.	162 275 151 97	87 91 111 89 60	91 96 76 109 113	83 104 77 64
Year	1946 1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

## LAND FOR SPECIAL USE in years ending March 31st

Quit Claim Deeds No. Acres	::	:::	:::::	119.569	50.00 3,409.015 1,387.196 4,152.1467 1,916.369
Quit Cla No.	::	:::	:::::		75 73 73 73 73 73 73
Patents Acres	10,496.18	13,132.423	5,471,559 7,318,1075 6,931,922 6,168,493 4,989,0825	6,274.0393 5,175.287 5,620.207 2,554.183 10,254.213	4,888.957 4,090.992 4,863.112 6,624.6265 16,667.445
No.	105	187	175 157 170 154 163	132 132 152 108 162	156 158 146 140
Assignments o. Acres	134.05	184.53	100.68 20.08 2.91 87.56 111.771	6.23	1.69
Assi No.	• • •	· 10 4	34275	<b>ω</b> • • ∺ ω	
Cancellations Io. Acres	* • •	110.00	255.655 576.64 640.02 418.984 614.26	427.33 249.84 545.20 95.48 228.25	159.31 82.114 180.21 83.03 432.33
Canco No.	::	÷ ro ro	112 9 22 12 12 12 12 12 12 12 12 12 12 12 12	10 12 4	
Sales Acres	17,140.94	20,541.913	4,285.757 5,367.3395 5,440.696 4,220.913 4,745.9465	7,451,9988 2,122.698 4,533.512 1,738.784 3,201.033	9,149.599 2,587.402 2,527.392 1,529.052 622.792
No.	194	199	155 141 145 145 143	129 81 148 88 157	108 122 100 75 86
Year	1946	1948 1949 1950	1951 1952 1953 1954	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

## LICENCES OF OCCUPATION

## **LEASES**

TETT A TO				
YEAR Ending	No.	No.	No.	No.
March 31st	Issued	Cancelled	Issued	Cancelled
1946	85	69	110	31
1947	86	219	151	22
1948	108	138	109	26
1949	87	125	92	44
1950	96	97	88	44
1951	81	114	88	37
1952	87	104	113	36
1953	66	60	88	29
1954	88	124	84	45
1955	59	48	11	60
1956	60	61	53	88
1957	84	81	60	71
1958	65	76	32	22
1959	75	58	26	26
1960	55	57	51	29
1961	68	64	37	20
1962	71	62	50	21
1963	47	79	51	31
1964	70	96	50	34
1965	32	66	127	111

LAND USE PERMITS in years ending March 31st

157         8         429         68         76         105         9         27         88          967          15,41         16,42         15          31         131          967          15,41         16,42         16,47         17,21         16,47         17,21         16,47         17,21         16,44         251         236         1,670         17,21         17,21         17,21         17,21         17,21         17,21         17,21         17,21         18	157         8         429         68         76         105         9         27         88          967           254         30         392         114         63         137          31         131          967           321         21         38         138         95         156          44         251         236         1,670         1,241         1           464         47         489         233         156          44         251         236         1,670         1,888         1,889         1,899         1,899         1,899 <td< th=""><th>Hunt Camp</th><th>Trappers Cabin</th><th>Residence and Garden</th><th>e Agricul- ture</th><th>Marsh Hay</th><th>Mill Site</th><th>Sugar Bush</th><th>Boat House</th><th>Misc.</th><th>Dept. Houses</th><th>Total No.</th><th>Total</th></td<>	Hunt Camp	Trappers Cabin	Residence and Garden	e Agricul- ture	Marsh Hay	Mill Site	Sugar Bush	Boat House	Misc.	Dept. Houses	Total No.	Total
32         36         392         114         63         137          31         131         89         1,241         16,4           321         31         32         114         63         137          31         131         89         1,241         16,4           321         25         570         201         38         172         10         56         95         330         18,2         11,670         17,2         11,670         17,2         11,670         17,2         11,670         17,2         18         18,2         18,2         18	321         31         31         131         89         1,241         16,4           321         31         32         114         63         137          31         131         89         1,241         16,4           321         25         37         21         36          44         251         236         1,670         17,1           464         47         489         233         15         10         56         95         330         18,28         18,2           543         33         446         122         67         175         4         42         265         1,670         17,21           796         18         36         231         6         79         509         1,670         15,1           866         13         259         47         34         239          265         1,570         3,20         15,21         15,21         15,22         15,22         15,20         3,270         15,21         15,20         3,270         15,21         15,21         3,270         15,21         15,21         3,22         3,22         3,22         3,23         3,24	100	a	420	8,9	76	105	6	27	88		196	
31         398         138         95         156          44         251         236         1,670         17,5           25         570         201         38         172         10         56         95         330         1,888         18,1           37         448         129         57         179         2         80         377         2,21         18,88         18,1           18         122         67         175         4         42         265         1,262         3,270         15,21           13         259         34         24         239          76         643         1,671         3,891         19,61           13         259         34         18         180          76         643         1,671         3,891         19,64           29         34         180          76         643         1,671         3,891         19,64           29         246         34         169          76         643         1,671         3,891         19,64           20         246         34         169	31         398         138         95         156          44         251         236         1,670         17,5           25         570         201         38         172         10         56         95         330         1,888         18,888         18,188         18,188         18,188         18,188         18,188         18,188         18,188         18,188         18,188         18,188         18,188         18,22,2,3         18,22,2,3         18,22,2         18,22,2         18,22,2         18,22,2         18,22,2         18,22,2         18,23         18,43         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53         30,53	254	30	392	114	63	137		31	131	89	1,241	16,466
31         508         138         172         10         56         95         330         1,888         18,88         18,88         18,88         18,88         18,88         18,88         18,88         18,88         18,88         18,88         18,88         18,61         20         47         489         233         1,77         2,211         17.2         17         2,21         17.2         18,7         17         2,21         17.2         18,7         18,7         2,21         17.2         17         2,65         1,262         3,270         15,7         18.2         18,7         18,8         18,7         18,7         18,8         18,7         18,7         18,8         18,7         18,7         18,8         18,7         18,8         18,7         18,7         18,9         18,7         18,7         18,4         18,4         18,4         18,4         18,4         18,4         18,4         18,4         18,4         18,4 <td>31         598         138         172         10         56         95         330         1,888         18,88           47         489         233         15         197         2         80         307         377         2,211         2.21           47         489         233         15         197         2         80         307         377         2,21         2.21           18         36         129         57         42         265         1,262         3,270         15,3           13         259         47         34         239         1         67         599         1,617         3,891         19,6           13         259         47         34         239         1         69         400         1,671         3,891         19,6           13         259         34         24         187         1         69         40         1,671         3,891         19,6           29         246         34         180         9         102         683         2,046         4,559         18,7           21         25         216         453         2,046         4,559<td></td><td></td><td>000</td><td>000</td><td>E C</td><td>356</td><td></td><td>44</td><td>251</td><td>236</td><td>1,670</td><td>17,207</td></td>	31         598         138         172         10         56         95         330         1,888         18,88           47         489         233         15         197         2         80         307         377         2,211         2.21           47         489         233         15         197         2         80         307         377         2,21         2.21           18         36         129         57         42         265         1,262         3,270         15,3           13         259         47         34         239         1         67         599         1,617         3,891         19,6           13         259         47         34         239         1         69         400         1,671         3,891         19,6           13         259         34         24         187         1         69         40         1,671         3,891         19,6           29         246         34         180         9         102         683         2,046         4,559         18,7           21         25         216         453         2,046         4,559 <td></td> <td></td> <td>000</td> <td>000</td> <td>E C</td> <td>356</td> <td></td> <td>44</td> <td>251</td> <td>236</td> <td>1,670</td> <td>17,207</td>			000	000	E C	356		44	251	236	1,670	17,207
25         570         201         307         377         2,211         2.7           37         446         129         57         170         2         77         370         377         2,583         22,11           38         446         129         57         170         2         77         370         1,501         2,583         22,11         22,583         22,11         22,583         22,11         23,70         15,583         22,11         23,70         15,617         3,580         15,617         15,71         15,70         15,71         15,70         15,71         15,70         15,71         15,70	25         570         201         36         377         2,211         2.7           37         486         129         57         170         2         77         370         377         2,211         2.7           38         446         129         57         175         4         42         265         1,622         3,77         2,211         2.7           32         261         66         56         231         6         76         643         1,762         3,270         15,78           13         259         34         234         234         6         76         643         1,758         3,891         19,61           13         259         34         24         187         1         69         400         1,671         3,891         19,7           4         224         35         19         169         9         102         683         2,046         4,274         21,7           20         43         169         9         102         683         2,046         4,559         18,7           20         45         184         36         215         25         214	321	31	3,78	138	200	170		2	100	330	1,888	18,955
47         489         233         15         197         2         77         370         501         2,583         22,583         22,583         22,583         22,583         22,583         22,583         22,570         15,770	47         489         233         15         197         2         77         370         501         2,583         22,583         22,68         1,262         3,570         15,183         22,24         3,270         15,183         22,24         3,270         15,183         22,270         15,183         22,27         15,270         15,183         22,27         15,270         15,183         22,27         15,270         15,183         15,270         15,183         15,270         15	391	25	270	201	200	7/1	2 (	000	202	377	2,211	0 0
33         446         129         57         170         4         7         565         1,262         3;270         15;3           32         261         66         56         231         6         76         643         1,758         3;270         15;3           13         259         34         234         67         643         1,758          19,617         3;891         19,617         3;891         19,617          19,617         3;891         19,617         3;891         19,617           19,617         3;891         19,617  .	33     446     129     57     170     4     7     250     1,262     3,270     15,3       18     386     122     67     175     4     2     26     1,262     3,270     15,6       13     259     34     24     139     6     79     599     1,617     3,891     19,6       13     259     34     24     187     1     69     400     1,671     3,809     16,7       20     4     24     187     1     69     400     1,671     3,809     16,7       20     4     3     180     9     102     683     2,046     4,574     21,6       20     4     5     10     180     9     102     683     2,046     4,559     18,0       21     4     5     2     16     9     102     683     2,046     4,559     18,0       21     8     4     3     2     16     4     5     21,0     18,0       21     8     3     2     2     2     2     2     18,0     2     2       22     5     4     3     3     4     4     1	464	47	489	233	15	761	4 (	100	200	102	2,583	22,458
18         386         122         67         175         4         42         205         4,502         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         3,802         10,671         10,671         3,802         10,671         10,671         10,671         10,671         10,671         10,671         10,671         10,671         10,671         10,671         10,671         10,671         10,671         10,671 <td>18         386         122         67         175         4         42         205         4,502         7,502         10,502</td> <td>543</td> <td>33</td> <td>446</td> <td>129</td> <td>27</td> <td>170</td> <td>7.</td> <td>//</td> <td>3/0</td> <td>100</td> <td>3,220</td> <td>15,846</td>	18         386         122         67         175         4         42         205         4,502         7,502         10,502	543	33	446	129	27	170	7.	//	3/0	100	3,220	15,846
32         261         66         56         231         6         79         599         1,617         3,891         19,617           13         259         47         34         239         16         76         643         1,617         3,891         19,617           29         34         24         189         16         16         40         16,71         3,891         19,61           29         246         34         169         40         40         164         4,274         21,61           20         435         130         29         216         5         216         463         2,613         3,059         18,71           218         514         36         37         2,613         3,059         29,18         30,59         21,53         30,59         18,71         31,65         31,74         31,65         31,74         31,69         31,74         31,69         31,74         31,69         31,74         31,69         31,74         31,40         31,75         31,74         31,40         31,74         31,40         32,74         31,40         32,74         31,40         32,74         32,40         31,74         32,40	32         261         66         56         231         6         79         599         1,617         3,891         19,61           13         259         47         34         239         1         643         1,6758         1.964         4,274         21,758           29         34         24         187         1         69         400         1,671         3,891         19,671           29         34         24         187         1         69         400         1,671         3,891         19,671           29         246         34         10         180         9         102         683         2,046         4,527         21,51           20         246         34         10         180         9         102         683         2,046         4,559         18,1           218         514         36         215         5         216         45         20,4         4,559         18,1           218         514         37         184         3         365         3,121         3,059         39,4           220         503         3,181         3,181         3,140         3,053 </td <td>786</td> <td>18</td> <td>386</td> <td>122</td> <td>67</td> <td>175</td> <td>4</td> <td>4.2</td> <td>202</td> <td>1,404</td> <td>2</td> <td></td>	786	18	386	122	67	175	4	4.2	202	1,404	2	
32         251         47         34         239         76         643         1,758            13         259         34         24         187         1         69         400         1,671         3,809         167           29         24         35         19         189         1         683         2,046         4,274         21,           20         246         34         189         102         683         2,046         4,274         21,           20         459         34         10         180         9         102         683         2,046         4,559         18,           218         23         24         189         216         5         216         453         2,046         4,559         18,           218         34         215         23         23         2,543         2,918         30,         29,         29,         29,         29,         29,         29,         29,         29,         29,         29,         29,         29,         29,         29,         28,         36,         36,         36,         36,         36,         36,         36,         37	32         259         47         34         239         76         643         1,758         3.809         16           13         259         34         24         187         1         69         400         1,671         3,809         16           29         34         24         187         1         69         400         1,671         3,809         16           29         246         34         180         9         102         683         2,046         4,574         21,6           200         45         130         29         216         5         237         2,046         4,574         21,7           218         514         79         37         184         1         5         237         2,613         30,59         29           226         503         51         45         149         3         344         416         3,107         3,153         36,53         36,53         36,53         36,53         36,93         36,93         36,93         36,93         36,93         36,93         36,93         36,93         36,93         36,93         36,93         36,93         36,93         36,93	1			"	7 2	23.1	4	79	299	1,617	3,891	19,035
13         259         47         34         239         1,00         1,07         3,80         16,7           29         34         180         180         102         41         563         1,964         4,274         21,6           20         435         19         169         102         683         1,964         4,274         21,6           20         246         34         10         180         9         102         683         2,046         4,274         21,7           218         130         29         216         5         216         453         2,543         2,918         30,9           218         514         89         31         214         3         368         3,121         3,059         29,8           226         503         65         45         149         3         344         416         3,17         3,440         36,742         29,3           201         328         48         22         188         7         255         548         3,183         3,444         37,440         37,440         37,440         37,440         37,440         37,440         37,440         37,440 <td>13 259 47 34 239    14 224 35 19 169    29 34 24 187    29 34 24 187    20 435 19 69    20 435 130 29 216 5 216 683 1,964 4,274 21, 21, 22, 24, 24, 24, 24, 24, 24, 24, 24, 24</td> <td>266</td> <td>32</td> <td>797</td> <td>00</td> <td>20</td> <td>107</td> <td></td> <td>1</td> <td>643</td> <td>758</td> <td></td> <td></td>	13 259 47 34 239    14 224 35 19 169    29 34 24 187    29 34 24 187    20 435 19 69    20 435 130 29 216 5 216 683 1,964 4,274 21, 21, 22, 24, 24, 24, 24, 24, 24, 24, 24, 24	266	32	797	00	20	107		1	643	758		
29         34         24         187         1         07         40         40         40         40         40         40         20         40         40         40         40         40         40         10         10         40<	290 34 24 187 1 07 450 1;044 4;274 21; 29 246 35 19 180 9 102 683 2,046 4;579 18; 200 435 130 29 216 5 237 2,643 3,059 29; 218 514 79 37 184 1 252 599 2.858 3,105 39; 226 503 65 45 149 3 344 416 3;107 3,440 36; 210 443 46 22 188 7 255 548 3;181 3,452 30; 211 441 49 17 152 4 254 478 3,018 3,866 37; 226 349 47 46 163 12 415 713 3,210 3,904 37; 2278 591 68 19 156 7 275 561 3,173 4,339 40;	998	13	259	47	34	239	• *	0/	040	1,700	3.809	16.031
4         224         35         19         169         •         41         50.3         1,704         4,757         18,77           29         246         34         10         180         •         41         50.3         1,704         4,757         18,7           200         435         246         34         10         180         •         102         68.3         2,746         4,559         18,7           218         514         36         215         5         237         2,613         2,918         30,9           279         514         37         184         1         25         237         537         2,613         3,146         34,95         29,96           279         514         36         314         344         416         34,053         36,53         31,140         36,472         36,410         36,472         36,410         36,410         36,410         36,410         36,410         36,410         36,410         36,410         36,410         36,410         36,410         37,410         36,410         37,410         36,410         37,410         36,410         37,410         37,410         37,410         37,410	4         224         35         19         169         •         41         50.3         1,004         4,559         18           29         246         34         10         180         •         41         50.3         1,004         4,559         18           200         435         130         29         216         5         237         537         2,543         2,918         30,9           218         514         79         31         215         5         237         558         3,121         3,059         29,           279         514         89         31         214         3         368         3,121         3,153         36,           279         503         65         45         149         3         344         416         3,121         3,153         36,           210         328         48         22         188         7         255         548         3,181         3,472         29,           210         443         46         15         158         4         254         572         3,218         3,904         37,           278         591         68 <td>957</td> <td>•</td> <td>299</td> <td>34</td> <td>24</td> <td>187</td> <td>-1</td> <td>λ,</td> <td>001</td> <td>1 206 1</td> <td>7,00</td> <td>21,201</td>	957	•	299	34	24	187	-1	λ,	001	1 206 1	7,00	21,201
29         246         34         10         180         9         102         683         2,046         4,539         10,10           200         435         130         29         216         5         216         453         2,543         2,918         30,105         3	29         246         34         10         180         9         102         683         2,046         4,539         10, 180           200         435         130         29         216         5         216         453         2,543         2,918         30, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1	1 064	4	224	35	19	169		4 1	200	1,704	1	1001
200         435         130         29         216         5         216         453         2,543         2,918         30,           328         459         84         36         215         5         237         2,613         3,059         29,           218         514         79         37         184         1         252         509         2,858         3,146         34,           276         503         65         45         149         3         344         416         3,107         3,430         36,           201         328         48         22         188         7         255         548         3,181         3,472         29,           216         443         46         22         158         4         254         478         3,068         37,20         37,20           241         441         49         17         152         4         265         572         3,210         3,904         37,20           278         591         68         16         17         4,436         35,13         3,146         4,436         35,346           374         47,37         3,146 <td>200         435         130         29         216         5         216         453         2,543         2,918         30, 30, 32, 31, 30, 32, 31, 31, 32, 31, 32, 31, 32, 31, 32, 31, 32, 31, 32, 31, 32, 32, 31, 32, 32, 31, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32</td> <td>1,220</td> <td>29</td> <td>246</td> <td>34</td> <td>10</td> <td>180</td> <td>6</td> <td>102</td> <td>683</td> <td>2,046</td> <td>4,55%</td> <td>10,140</td>	200         435         130         29         216         5         216         453         2,543         2,918         30, 30, 32, 31, 30, 32, 31, 31, 32, 31, 32, 31, 32, 31, 32, 31, 32, 31, 32, 31, 32, 32, 31, 32, 32, 31, 32, 32, 32, 32, 32, 32, 32, 32, 32, 32	1,220	29	246	34	10	180	6	102	683	2,046	4,55%	10,140
218         459         45         40         4	200         459         84         36         215         5         237         2,613         3,059         29, 29, 29, 29, 21, 218         3,059         279         27,858         3,121         3,059         29, 29, 29, 29, 21, 218         3,121         3,121         3,131         3,133         36, 36, 32, 31         36, 36, 32, 31         36, 36, 32, 32         36, 36, 32         36, 36, 32         36, 36, 32         36, 36, 32         36, 36, 32         36, 36, 36, 32         36, 36, 36, 36, 36, 36, 36, 36, 36, 36,			4.25	120	20	216	ıc	216	453	2,543	2,918	
3.28     45.57     50.9     2,858     3,146     34,       2.79     514     79     37     184     1     25.2     50.9     2,858     3,121     34,053     36,       2.79     514     89     31     214     3     368     36,5     3,121     3,053     36,       2.01     328     48     21     149     3     344     416     3,107     3,472     29,       2.01     328     48     22     188     7     255     548     3,181     3,472     29,       2.41     441     49     17     152     4     254     478     3,608     32,904     37,904       2.72     47     49     15     7     25     561     3,103     3,904     37,904       2.72     47     47     47     47     47     47     47     47       2.72     47     47     47     47     47     47     47     47     47     47	218     514     79     37     184     1     252     509     2,858     3,146     34,314       279     514     89     31     214     3     368     3,121     3,553     36,5       226     503     65     45     149     3     344     416     3,107     3,440     36,5       201     328     48     22     188     7     255     548     3,181     3,472     29,       216     443     46     22     158     4     255     572     3,210     3,904     37,       278     591     68     19     156     7     275     561     3,173     4,379     40,       296     349     47     46     163     12     415     7     416     3,113     4,36     35,	1,234	007	000	700	26	210	ır	237	537	2,613	3,059	
218         514         7         37         214         3         368         365         3,121         3,053         36,           226         503         65         45         149         3         344         416         3,107         3,440         36,           201         328         48         22         188         7         255         548         3,181         3,472         29,           216         443         46         22         158         7         255         548         3,068         3,866         32,           241         441         49         17         152         4         265         572         3,210         3,904         40,           278         591         68         19         16         4,35         173         4,356         35,           278         591         68         19         16,3         12         415         713         3,146         4,436         35,	218         514         65         45         31,21         3,053         36,           226         503         65         45         149         3         344         416         3,107         3,440         36,           201         328         48         22         188         7         255         548         3,181         3,472         29,           216         443         46         22         158         7         254         478         3,068         3,866         37,           278         591         68         19         156         7         275         561         3,173         4,379         40,           296         349         47         46         163         12         415         7         435         35         35         35         35         35         35         35         35         35         35         36         35         36         35         36         35         36         37         37         40         37         37         40         37         36         35         36         35         36         35         36         37         36         37	1,248	328	707	1 0	200	184	· -	252	509	2,858	3,146	
279         514         89         51         414         3         344         416         3,107         3,440         36,           226         503         65         45         149         3         344         416         3,107         3,440         36,           201         328         48         22         188         7         255         548         3,181         3,472         29,           216         443         46         22         158         4         254         478         3,068         32,866         32,866         32,866         37,866	279     514     89     51     414     3     344     416     3,107     3,440     36,       226     503     65     45     149     3     344     416     3,107     3,440     36,       201     328     48     22     188     7     255     548     3,181     3,472     29,       216     443     46     22     158     4     254     478     3,068     32,866     32,       241     441     49     17     152     4     265     572     3,113     4,379     40       278     591     68     19     156     7     275     561     3,173     4,379     40       296     349     47     46     163     12     415     7     4,436     35	1,352	212	5.14	67	000	101	10	368	365	3.121	3.053	
226         503         65         45         149         3         544         410         5,17,7         5,17,7         5,17,7         5,17,7         5,17,7         5,17,7         5,17,7         5,17,7         27,7         201         33,472         29,7         216         443         46         22         158         7         254         478         3,068         3,866         33,866	226 503 65 45 149 3 544 410 5,107 5,107 201 328 48 22 188 7 255 548 3,181 3,472 29, 216 443 46 22 158 4 254 478 3,068 3,866 37,241 441 49 17 152 4 265 572 3,210 3,904 37, 278 591 68 19 156 7 275 561 3,173 4,379 40, 278 591 47 46 163 12 415 713 3,141 47,436 35, 296 349 47 46 163 12 415	1,190	279	514	89	21	5.14	0 (	200	717	2 107	2 440	
201 328 48 22 188 7 255 548 3,181 3,472 29, 216 443 46 22 158 4 254 478 3,068 3,866 32, 241 441 49 17 152 4 265 572 3,210 3,904 37, 278 591 68 19 156 7 275 561 3,173 4,379 40, 277 3,210 4,345 35, 278 541 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 3,146 4,436 35, 278 241 5713 4715 4715 4715 4715 4715 4715 4715 4715	201 328 48 22 188 7 255 548 3,181 3,472 29, 216 443 46 22 158 4 254 478 3,068 3,866 32, 241 441 49 17 152 4 265 572 3,210 3,904 37, 278 591 68 19 156 7 275 561 3,173 4,379 40, 296 349 47 46 163 12 415	1,689	226	503	65	45	149	8	344	4 10	707 60	21.60	
201 528 46 22 158 4 254 478 3,068 3,866 33, 216 443 46 22 158 4 265 572 3,210 3,904 37, 241 441 49 17 152 4 265 572 3,210 3,904 37, 278 591 68 19 156 7 275 561 3,173 4,379 40, 278 551 6,73 7,73 4,379 40, 278 551 6,73 7,73 4,379 40, 278 551 6,73 7,73 4,379 40, 278 571 7,73 7,73 7,73 7,73 7,73 7,73 7,73 7,	201 528 40 24 158 4 254 478 3,068 3,866 33, 216 443 46 22 158 4 265 572 3,210 3,904 37, 241 441 49 17 152 4 265 572 3,210 3,904 37, 278 591 68 19 156 7 275 561 3,173 4,379 40, 296 349 47 46 163 12 415 714 1014 downtrant boules	1	. 00	000	9.0	23	188	7	255	548	3,181	3,472	29,899
216 443 46 22 158 4 254 772 3,210 3,904 37, 241 441 49 17 152 4 265 572 3,210 3,904 37, 278 591 68 19 156 7 561 3,173 4,379 40,	216 443 46 22 158 4 265 572 3,210 3,904 37, 274 441 49 17 152 4 265 572 3,210 3,904 37, 278 591 68 19 156 7 275 561 3,173 4,379 40, 278 591 47 46 163 12 415 713 3,146 4,436 35, 296 349 47 46 163 12 415 713 3,146 40.0000000000000000000000000000000000	1,875	707	276	40	7 4	001		200	470	3 068	3.866	32,903
241 441 49 17 152 4 265 5/2 5/2 5/2 5/2 5/2 5/2 5/2 5/2 5/2 5/	241 441 49 17 152 4 265 372 3,173 4,379 40, 278 591 68 19 156 7 275 561 3,173 4,379 40, 296 349 47 46 163 12 415 1	2.245	216	443	46	22	128	4.	100	110	2,200	3,007	37,078
278 591 68 19 156 7 275 561 3,173 4,3/9 40,	278 591 68 19 156 7 275 561 3,173 4,379 40, 296 349 47 46 163 12 415 713 3,146 4,436 35, 296 349 47 46 163 12 415 713 3,146 30, 30, 30, 30, 30, 30, 30, 30, 30, 30,	2 163	241	441	49	17	152	4	265	7/5	07760	2000	40,333
200 200 200 47 46 163 12 415 713 3,146 4,436 35,	296 349 47 46 163 12 415 713 3,146 4,436 35,	2,100	220	501	89	10	156	7	275	561	3,173	4,379	40,732
207 COT	The state of the s	7 205	200	340	47	46	163	12	415	713	3,146	4,436	35,438

Variations are, for the most part, due to cancellations or issue of patents. Totals

# DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

1947         3,650         7,378         600         1,772         141         3,103         16,644         10,535           1948         1,975         7,378         600         1,772         141         3,103         16,644         10,535           1948         1,896         7,560         1,255         5,00         16,529         15,241           1950         1,896         7,560         1,255         5,00         16,529         17,013           1951         2,814         6,730         650         370         61         3,433         14,058         21,435           1952         1,990         8,156         791         330         207         4,150         15,624         30,310           1953         1,990         8,156         791         330         207         4,150         15,624         48,135           1954         2,734         9,254         593         216         64         5,167         18,028         34,459           1955         2,131         10,475         882         576         8,39         17,254         48,044           1955         2,212         11,475         882         57         8,369         17	Year	20,20A*	District	Island	Township 28,42A*	Electoral 33A	Misc.	Provincial Total	National† Topographic	Grand
1,975         7,373         168         506         23         10,444           1,896         8,169         1,255         1,004         165         10,443           1,896         7,560         1,255         11,004         165         10,435           2,814         6,730         650         370         61         3,433         14,058           2,906         9,426         932         285         311         3,433         14,058           1,996         9,426         932         285         31         3,433         14,058           2,045         9,254         593         207         4,150         15,242           3,045         12,137         607         459         250         8,765         25,264           2,113         10,475         882         576         839         11,254         16,139           1,831         11,687         671         491         126         1,890         17,275           2,133         6,90         12,52         448         259         10,400         20,3075           1,285         9,72         345         491         126         1,890         17,275           1	1947	3.650	7.378	009	1 777	141	2 102	37, 711	2 C	
1,975         7,373         1,68         357         1,000         11,447           1,896         7,560         1,255         1,004         162         2,030         16,329           1,896         7,560         1,255         1,004         162         2,030         16,435           2,814         6,730         650         370         61         3,433         14,058           1,990         8,156         791         330         207         4,150         15,424           2,734         9,254         593         216         64         5,167         18,028           3,045         12,137         607         459         250         8,766         25,264           2,734         12,137         607         459         12,54         16,139           1,231         10,475         882         576         839         1,254         16,139           1,331         10,587         671         398         190         17,376         27,394           1,331         12,592         345         448         259         10,400         27,034           1,333         6,07         478         448         259         10,400	0707		0101	000	7//4	141	0,103	10,644	10,535	27,179
4,800         8,169         1,255         1,004         169         2,030         16,529           1,896         7,560         1,255         510         162         5,062         16,435           2,814         6,730         650         370         61         3,433         14,058           2,096         9,426         932         285         311         3,433         16,529           1,990         8,156         791         30         207         4,150         16,442           1,990         8,156         791         30         207         4,150         15,624           2,734         9,254         593         216         4,150         15,624           3,045         12,137         607         459         250         8,766         25,264           2,113         10,475         882         576         839         11,254         27,934           1,831         12,592         345         491         126         1,890         17,275           1,285         9,728         345         448         259         10,400         20,3075           1,285         9,728         345         829         30,404 <t< td=""><td>1948</td><td>1,975</td><td>7,373</td><td>168</td><td>206</td><td>25</td><td>1,100</td><td>11.147</td><td>11.215</td><td>22 362</td></t<>	1948	1,975	7,373	168	206	25	1,100	11.147	11.215	22 362
1,896         7,560         1,255         510         152         5,062         16,435           2,814         6,730         650         370         61         3,433         14,058           1,996         9,426         932         285         311         3,292         16,432           1,990         8,156         791         330         207         4,150         15,624           2,734         9,254         593         216         67         459         20         67           3,045         12,137         607         459         250         8,766         25,644           2,113         10,475         882         576         839         1,254         16,139           2,212         11,687         671         398         190         12,746         25,564           2,435         9,071         462         448         259         10,400         23,075           1,285         9,728         345         839         30,59         20,876           1,333         6,906         219         50         10,400         23,075           1,285         9,728         345         829         30,59         30,575 <td>1949</td> <td>4,800</td> <td>8,169</td> <td>357</td> <td>1,004</td> <td>169</td> <td>2,030</td> <td>16,529</td> <td>15,241</td> <td>31,770</td>	1949	4,800	8,169	357	1,004	169	2,030	16,529	15,241	31,770
2,814         6,730         650         370         61         3,433         14,058           1,990         8,156         791         330         207         4,150         16,442           2,734         9,254         593         216         64         5,167         18,024           2,735         12,137         607         459         250         876         25,264           2,113         10,475         882         576         839         1,254         16,139           2,212         11,687         671         398         190         12,776         25,264           1,831         12,592         345         448         259         10,400         23,075           2,435         9,071         462         448         259         10,400         23,075           1,285         9,728         345         829         320         8,369         20,876           1,333         6,906         219         530         142         7,686         16,816           1,333         6,906         219         584         503         18,723           1,194         11,215         11,33         9,404         22,119	1950	1,896	7,560	1,255	510	152	5,062	16,435	17,013	33,448
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2,096         9,426         932         285         311         3,292         16,342         24           2,734         9,156         791         207         4,150         15,342         24           2,734         9,254         593         216         607         459         18,028         30           2,734         10,475         882         276         839         1,254         16,139         48           2,212         11,687         671         398         190         17,76         27,23         48           1,831         12,592         345         491         126         16,139         48           2,435         9,071         462         448         259         10,400         23,075         68           1,285         9,728         345         448         259         10,400         23,075         68           1,333         6,906         219         530         142         7,686         16,816         68           1,333         6,906         219         530         142         7,686         16,816         63           1,523         10,755          584         503         18,36	1951	2,814	6,730	650	370	61	3,433	14.058	21.435	35 493
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1,285     9,728     345     829     320     8,369     20,876     68       1,333     6,906     219     530     142     7,686     16,816     63,369       2,523     10,755     584     503     18,500     32,865     78       1,194     11,215     113     193     9,404     22,119     69       652     8,255     688     257     5,963     16,711     42,23       651     9,155     688     257     5,963     16,711     42,23	1959	2,435	9,071	462	448	259	10,400	23,075		
1.333     6,906     219     530     142     7,686     16,816     63,53       2,523     10,755     584     503     18,500     32,865     78,865       1,194     11,215     113     193     9,404     22,119     69,652       652     8,255     684     313     9,100     18,723     49,100       651     9,155     688     257     5,963     16,711     42,300	1960	1,285	9,728	345	829	320	8,369	20,876		89,767
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\*Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

Thational Topographic (except for official use) are for resale, including Dominion and Provincial N.T.S. sheets.

## WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

- 1. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.
- 2. JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
- 3. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District. Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.
- 5. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.
- 6. ECHO TOWNSHIP -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
- 7. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.
- 8. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickieana.
- 9. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.
- 10. PORPHYRY ISLAND -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

- 12. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
- 13. CAPE HENRIETTA-MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
- 14. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
- 15. ABITIBI NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
- 16. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
- 17. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
- 18. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
- 19. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
- 20. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
- 21. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
- 22. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
- 23. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

- 24. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
- 25. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
- 27. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
- 28. RONDEAU PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
- 29. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
- 30. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
- 74. PRESQUILE ISLANDS -- 322 acres in Presquile Provincial Park, Northumberland County -- An important nesting area for ringbilled gulls and common terns which occur on these islands in thousands.
- 78. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
- 82. PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
- 83. PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
- 84. PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

- 85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County --Selected for scientific interest in botany and physiography and for its value for outdoor recreation.
- 86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.
- 89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

## LATER ESTABLISHMENTS

- 88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The Island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961. 36th Area.
- 80. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.
- 95. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.
- 98. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch in the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.
- 101. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vaccinium-mosses, brush-alder, mountain maple and dogwood. 40th Area.

NEW POLICIES	

## LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

## ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

## FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; fish sanctuaries; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

## LAW BRANCH

Supervisor: G. H. FERGUSON, Q.C. SOLICITORS: W. E. D. PETERS R. W. Davidson PATENTS OFFICE Head Clerk: B. P. Foster SECRETARY Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

## FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

## LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26th, 1959, 40 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

## PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$5.00 for the season. Campsite charges are \$1.50 per day or \$9.00 per week. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

## TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the Crown charges are less than \$1,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive cutting rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

## **GENERAL**

THE ONTARIO PARKS INTEGRATION BOARD ACT. The Board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

- (a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;
- (b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.
- (c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and
- (d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

# FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

LAC SEUL WATER DIVERSION - February 28th, 1928
 The Province constructed a water dam at the outlet of Lac
 Seul. Total Cost: \$833,919.19.

Under the agreement

- (1) Three-fifths of cost contributed by Canada, \$500,351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada 33.3333333 per cent for navigation.
- (2) Ontario 11.4871785 per cent for power head.
- (3) Manitoba 55.1794882 per cent for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183, 961. 19, Ontario's share of the cost of storage.

Ontario is also responsible for 11, 4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

 USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th. 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

- 4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:
  - (1) Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;

(2) Canada provides research personnel and equipment for the laboratories;

(3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committe;

(4) Result of studies, advice and assistance will be available to Ontario;

- (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.
- WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month,

- 6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

  By an exchange of letters between the Deputy Minister of
  Citizenship and Immigration dated July 18th and October 6th,
  1960 and the Deputy Minister of Lands and Forests dated the
  29th day of September, 1960, the Department was given permission to use a read right of way through Constance Lake Ind-
- 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.
- 7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

By an agreement dated June 17th, 1965, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1967, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

- (a) Forest Inventory 50 per cent.
- (b) Reforestation of Crown Lands, including lands of public authorities under control of the province;
  - (i) \$15 per unit for planting;
- (ii) \$2 per unit for seeding without ground preparation;
  - (iii) \$4 per unit for seeding with ground prepar-

ation (scarification or controlled burning);

(iv) 25% of the amount expended for establishment or expansion of nurseries.

A unit is the planting of 1,000 trees or the seeding of an acre.

- (c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects 50 per cent.
- (d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products 50 per cent.
- (e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection 50 per cent.

The maximum annual payment shall not exceed \$1,650,018 for any or all projects approved under the agreement. Additional assistance may be paid if other provinces do not qualify to receive their full allotment

of the sum of \$7,910,000 which the federal government is spending on these programmes.

9. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

# 10. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

# Canada will assume responsibility for:

Lamprey research and control in Lake Superior.
 In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.

100

- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

# Ontario will assume responsibility for:

- General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

# 11. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

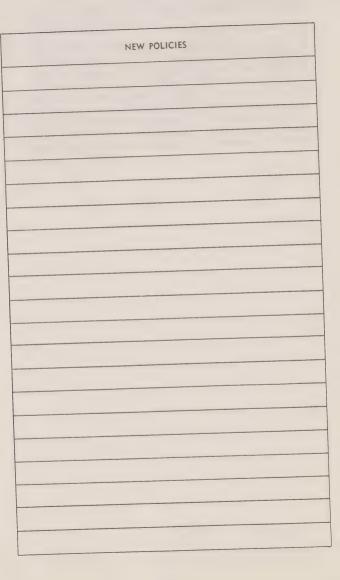
The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after

April 1, 1963 - 50%. Cost of land and other similar items are excepted.

12. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

NEW POLICIES



# **OPERATIONS BRANCH**

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities,

Mr. P.O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

Division of Operations was formed on December 1st, 1957, when Personnel became a separate Section. Re-named Branch in 1959, Operations has five Sections.

OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments.

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for receiving, storage and shipping of supplies, equipment, uniforms and printed material.

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides.

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

ACCIDENT CONTROL SECTION, responsible for the administration of The Logger Safety Act of Ontario from November 20th, 1964; operation of the Hunter Safety Training Programme; programme for safety in Provincial Parks; the internal safety programme of the Department; and administration of Workmen's Compensation as it pertains to the Department.

## OPERATIONS BRANCH

Chief: P.O. RHYNAS

## OFFICE MANAGEMENT

Sub-section Supervisor: A.F. Madore

Office Management, Records Circular Production, Uniforms

## M. A. GONTIER

Supervisor

## PURCHASING

Sub-section Supervisor: G.A. Harper Purchases, Leases, Invoices Inventories, Material Control

## CENTRAL SUPPLY WAREHOUSE

Sub-section Supervisor: M.R. Toms Housing, Recording and Shipping Delivery to Toronto Area Offices

### CONSERVATION INFORMATION

News and Press Releases, Photos Publications, Public Appeals Information, Editorial Services

# C. V. RICH

Supervisor

## CONSERVATION EDUCATION

Exhibits and Display Material Lectures, 16 mm Films Material for Radio, Television

## ACCIDENT CONTROL

Sub-section Supervisor: H. H. Carter

Logger Safety, Hunter Safety Workmen's Compensation Department Safety, Parks Safety

## HUNTER SAFETY TRAINING PROGRAM®

ACTIVE

	INSTRUCTORS		DENTS		CCIDENT	
Year	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957	369	281	281	• • •	• •	
1958	1,433	1,668	1,949		• •	
1959	2,690	2,780	4,729		0.0	
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15,082	45,995	109	17	126
1963	3,050	20,387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965**	3,075	17,577	102,611	100	10	110

HUNTING

## CAUSES OF ACCIDENTS IN 1964

INTENTIONAL DISCHARGE:	%age of Total
Victim mistaken for game Victim out of sight of shooter Victim covered by shooter swinging on game Victim moved into line of fire	8 12 8 6
Sub-total	34
UNINTENTIONAL DISCHARGE:	
Shooter tripped or stumbled Trigger caught on brush, clothing, etc Defective weapon "Horseplay"	12 4 7 4
Loading and Unloading	8 7 5 3 15
Sub-total UNKNOWN	65 1

<sup>\*</sup>Mandatory for new hunters since September 1st, 1960.

<sup>\*\*</sup>Preliminary Report. Accident totals are subject to correction.

# WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944 1945 1946 1947	\$	\$	\$	\$ 12,850 14,540 14,249 21,560	98 120 129 182	\$
1949 1950	• • • • •	• • • • •	• • • • •	35,989 50,989	494 501	• • •
1951 1952 1953 1954 1955		• • • • •		43,951 54,158 51,169 64,693 63,357	394 368 417 494 455	65 78 69
1956 1957 1958 1959 1960	• • • • •	• • • • •	• • • • •	106,962 85,159 101,376 132,572 150,709	910 588 727 874 687	78 80 77 98 139
1961 1962 1963 1964 1965	16,531 10,595 14,538 7,408	27,225 22,271 17,655	4,178 7,780 6,499	130,210 120,384 171,802 152,913 126,266	649 771 640 773 656	106 91 158 103 96

<sup>\*</sup>Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

		ILLUSTRA	TED PUBLIC LE	ILLUSTRATED PUBLIC LECTURES in years ending March 31st.	ending March 31s	st.		
		NATIONAL PARTIES	SONIEGAN			ATTE	ATTENDANCE	
YEAR	School	Public	OFA*	Total	School	Public	OFA*	Total
1946	423	311		734	53,913	29,558	•	83,47
1947	405	376	•	781	20,990	42,433	•	93,42
1948	780	752	•	1,532	101,360	58,615		
1949	876	655	20	1,551	89,020	71,969	1,511	
1950	827	629	401	1,857	93,895	136,293	83,566	
1951	675	913	1,241	2,829	80,411	75,850	128,152	284,41
1952	702	1,246	462	2,410	20,900	84,283		
1953	721	1,223	950	2,894	53,679	86,895		
1954	1,196	1,546	320	3,062	89,835	95,701		
1955	1,143	1,526	109	3,270	92,381	116,261		
1956	1.076	1,042	703	3,181	90,540	107,746	56,394	
1957	1,261	1,710	674	3,645	93,672	127,174	68,758	289,60
1958	972	1,708	538	3,218	67,013	97,334	68,832	
1959	831	2,196	409	3,436	68,146	124,703	40,430	
1960	1,094	2,715	484	4,293	92,794	158,682	61,056	
1961	1,026	3,198	401	4,625	80,015	187,686	48,756	316,45
1962	808	2,533	406	3,747	63,957	164,119	58,442	
1963	771	2,266	374	3,411	60,788	165,017	46,860	
1964	877	2,095	398	3,370	72,773	159,968	42,267	
1965	949	2,165	220	3,334	91,184	145,965	15,915	
Total:	17,413	31,165	8,602	57,180	1,537,266	1,537,266 2,236,252 1,088,424 4,861,94	1,088,424	4,861,94
*Lectures gh	*Lectures given by Ontario Forestry Association	orestry Associa	tion.					

# INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

24          77         26         29           25	No. Titles Motion Films	35 mm. Colour Slides	Photo Prints Loaned	Exhibi- tions	*Letters of Enquiry Answered	Adminis- Conser tration vation	Conser-	PUBLI- CATIONS	of Supp- lies	Licences	Parks Permits	Parks Publi- cences Permits cations
1,800         6,700         508         55           1,800         38         8,065         60         44         72         160         774,470           1,800         64         8,100         57         72         160         774,470           750         1,800         64         8,100         72         170         802,900           750         1,800         64         8,100         77         56         175         868,300           750         1,800         75         9,000         77         39         56         175         868,300           750         1,800         75         7,000         103         45         87         470         1,005,000           750         1,800         75         10,800         10,255,299         1,120,660         1,120,660           1,500         4,500         75         14,600         93         52         109         350         1,120,600           1,500         6,000         75         14,600         93         52         109         350         1,279,00         1,279,00         1,279,00         1,279,00         1,279,00         1,279,00         1,279,00         1,2	1.					77	26	29				
1,000   4,500   75   1,000	10		:	80	4,200	208	65	53			•	
1,800         64         7,700         130         57         72         150         701,450           1,800         64         7,200         127         43         72         160         774,470           750         1,800         64         8,000         74         27         39         56         175         862,900           750         1,800         75         9,000         74         27         36         176         910,480           750         1,800         75         7,000         103         45         87         470         1,055,299           1,500         4,500         75         10,800         12         52         10         1,055,299           1,500         4,500         75         14,600         93         55         18         1,120,654           1,500         4,500         75         14,600         93         52         109         350         1312,950         27,600           1,800         9,000         75         21,010         139         54         116         218         1,222,920         27,600           1,900         9,000         75         24,000         140	9			13	006 9			53	• (		•	•
1,800         38         8,065         60         44         72         100         774,40           1,800         64         7,200         127         43         72         170         802,900           750         2,100         68         9,000         57         36         175         868,300           750         1,800         75         9,000         57         36         72         100         1005,000           750         1,800         75         7,000         103         45         87         470         1,055,299           1,500         4,500         75         10,800         13         55         84         11,120,654           1,500         6,000         75         10,800         13         52         109         11,120,654           1,500         6,000         75         10,600         13         52         109         11,120,654           1,500         6,000         75         21,010         139         54         11,540,921         211,600           1,900         9,000         75         25,000         140         55         133         377         136,000           2,000 <td>00</td> <td></td> <td></td> <td>15</td> <td>7,700</td> <td>130</td> <td>57</td> <td>72</td> <td>150</td> <td>701, 400</td> <td></td> <td>•</td>	00			15	7,700	130	57	72	150	701, 400		•
1,800         64         7,200         127         43         72         170         802,900           750         1,800         64         8,100         57         39         56         175         868,300           750         1,800         75         9,000         74         27         55         176         910,480           750         1,800         75         7,000         103         45         87         470         1,005,090           1,000         4,500         75         10,800         112         53         94         1,154,000           1,500         6,000         75         14,600         93         55         84         1,154,000           1,500         9,000         75         14,600         93         54         115         1154,000           1,900         9,000         75         26,000         140         55         134         11520,654           2,000         9,000         75         26,000         140         55         133         377         1,260,917         300,000           3,000         9,000         75         30,000         52         44         169         253	00	:	1,800	38	8,065	09	44	72	100	774,470	•	•
1,800         64         8,100         57         39         56         175         868,300           750         1,800         68         9,000         74         27         55         176         910,480           750         1,800         75         7,000         103         45         87         470         1,005,090           1,000         4,500         75         10,800         112         53         92         488         1,154,000           1,500         6,000         75         14,600         93         52         109         350         1,120,654           1,800         9,000         75         21,600         93         52         109         350         1,121,20,654           1,800         9,000         75         21,600         93         52         109         350         1,121,20,654           1,900         9,000         75         26,000         140         55         133         377         1,260,917         300,000           2,000         9,000         75         20,000         140         55         133         377         1,260,917         300,000           3,000         75	00		1,800	64	7,200	127	43	72	170	802,900	•	
750         2,100         68         9,000         74         27         55         176         910,480           750         1,800         75         7,000         105         36         72         200         1,005,000           1,000         4,500         75         7,000         103         55         84         1,120,654         1,120,654           1,500         6,000         75         10,800         12         53         92         488         1,120,654         1,120,654           1,500         6,000         75         14,600         93         55         109         350         1312,250         271,600           1,800         9,200         75         21,010         139         54         116         218         1,279,607           1,900         9,000         75         20,000         140         55         133         377         1,260,217         300,000           2,000         9,000         75         29,200         140         55         133         377         1,260,217         300,000           3,000         75         30,000         52         44         169         253         1,392,013         300,	0 0		1,800	64	8,100	57	39	26	175	868,300	•	
750         1,800         75         9,000         57         36         72         200         1,005,000            750         3,500         75         7,000         103         45         72         200         1,005,000           1,000         4,500         75         10,000         99         55         84          11,120,654           1,500         6,000         75         10,600         93         52         109         350         1,121,920         271,600           1,800         9,200         75         21,610         139         54         116         218         1,279,667         300,000           1,900         9,200         75         26,000         140         55         133         377         300,000           2,000         9,000         75         29,200         50         49         136         253         1,360,21         300,000           3,000         9,000         75         30,000         50         44         169         253         1,992,443         825,900           3,000         75         32,000         150         84         228         1,432,902         1,000,850<	200	750	2,100	89	000°6	74	27	55	176	910,480		
1,000         4,500         75         7,000         103         45         87         470         1,055,299           1,000         4,500         75         10,800         112         53         92         488         1,154,000         271,000           1,500         6,000         75         14,600         93         52         109         350         1,132,920         271,600           1,800         9,000         75         21,000         130         54         116         218         1,7279,607         300,000           2,000         9,000         75         26,000         140         55         133         377         1,260,917         300,000           3,000         9,000         75         29,200         50         49         136         1363,712         689,000           3,000         9,000         75         30,000         52         44         169         253         1,392,043         825,900           3,700         9,000         75         30,000         150         50         84         228         1,432,901         1,00,850           3,800         9,200         75         32,000         178         50	0.00	750	1,800	75	00000	57	36	72	200	1,005,000		
1,000         4,500         75         8,400         99         55         84          1,120,654            1,500         6,000         75         10,800         112         53         92         488         1,154,000         271,600           1,500         9,000         75         14,600         93         52         109         350         1,121,20         677         370,000           1,900         9,000         75         21,010         139         54         116         218         1,260,917         300,000           2,000         9,000         75         29,200         50         49         136         363,712         689,000           3,000         75         30,000         52         44         169         253         1,392,043         825,900           3,700         9,000         75         30,000         150         50         84         228         1,432,902         1,00,850           3,800         9,200         75         32,000         178         50         109         246         1,531,980         1,105,725           3,800         9,200         75         32,000         178	19	750	3,500	75	7,000	103	45	87	470	1,055,299	•	
1,500         5,000         75         10,800         112         53         92         488         1,154,000         271,150           1,500         9,000         75         14,600         93         52         109         350         1,121,20         279,600         271,121,20         279,600         270,000         275         26,000         140         55         134         116         218         1,260,917         300,000         270,000         75         29,200         50         49         136         1,363,712         689,000         300,000         52         44         169         253         1,392,043         825,900         30,000         75         30,000         75         30,000         75         30,000         75         32,000         178         50         102         247         1,432,902         1,007,850           3,000         9,000         75         30,000         178         50         102         247         1,432,902         1,007,850           3,000         9,000         75         32,000         178         50         109         246         1,531,980         1,125,725           3,000         9,000         75         32,000 <th< td=""><td>0</td><td>000</td><td>7 500</td><td>7.5</td><td>8.400</td><td>00</td><td>10</td><td>80</td><td>:</td><td>1,120,654</td><td></td><td></td></th<>	0	000	7 500	7.5	8.400	00	10	80	:	1,120,654		
1,500 9,000 75 14,600 93 52 109 350 1,212,92 27,600 1,800 9,200 75 21,010 139 54 116 218 1,279,607 300,000 1,900 75 26,000 140 55 133 377 1,260,917 300,000 3,000 9,000 75 29,200 50 49 136 308 1,363,712 689,000 3,000 75 30,000 150 50 84 228 1,432,902 1,000,850 3,700 9,000 75 30,300 150 50 84 228 1,432,902 1,000,850 3,800 9,200 75 32,000 178 50 102 247 1,542,810 1,057,730 3,000 75 32,000 178 50 102 247 1,542,810 1,057,730 3,000 75 32,000 178 50 102 247 1,542,810 1,057,730 3,000 75 32,000 178 50 102 247 1,542,810 1,057,730 3,000 178 100,000 100 100,000 1,057,730 1,000,000 1,000,000 1,000,000 1,000,000	\ C	1,500	000	75	10,800	112	523	92	488	1,154,000		
1,800 9,200 75 21,010 139 54 116 218 1,279,067 590,000 1,900 9,000 75 26,000 140 55 133 377 1,260,917 300,000 3,000 9,000 75 29,200 50 49 136 308 1,363,712 689,000 3,000 9,000 75 30,000 52 44 169 253 1,322,043 825,900 3,700 9,000 75 30,300 150 50 84 228 1,432,902 1,000,850 3,700 9,200 75 32,000 178 50 102 247 1,542,810 1,057,730 3,000 178 50 109 246 1,581,980 1,125,725	80	1,500	00000	75	14,600	93	52	109	350	1,212,920	271,600	
1,900 9,000 75 29,200 50 49 136 308 1,363,712 689,000 3,000 9,000 75 30,300 150 50 84 228 1,432,043 825,900 3,700 9,000 75 30,300 150 50 84 228 1,432,902 1,000,850 3,700 9,000 75 30,300 150 50 84 228 1,432,902 1,000,850 3,700 9,200 75 32,000 178 50 102 247 1,542,810 1,057,730 3,000 178 50 109 246 1,581,980 1,125,725	92	1,800	9,200	75	21,010	139	54	116	218	1,279,067	300,000	1,941,819
2,000         9,000         75         29,200         50         49         136         308         1,363,712         689,000           3,000         9,000         75         30,000         52         44         169         253         1,392,043         825,900           3,700         9,000         75         30,300         150         50         84         228         1,432,902         1,000,850           3,800         9,200         75         32,000         178         50         102         247         1,542,810         1,057,730           3,800         9,200         75         32,000         178         50         109         246         1,581,980         1,125,725	56	1,900	000,6	75	26,000	140	22	133	377	1,260,917		2,124,088
3,000 9,000 75 30,000 52 44 169 253 1,392,043 825,900 3,700 9,000 75 30,300 150 50 84 228 1,432,902 1,000,850 3,800 9,200 75 32,000 178 50 102 247 1,542,810 1,057,730 3,000 178 30,000 178 1,432,902 1,432,902 1,432,902 1,432,902 1,432,902 1,432,902 1,432,900 1,432,900 1,432,900 1,432,900 1,432,723	7.7	0000	000 0	7.5	29.200	50	49	136	308	1,363,712	689,	1,155,151
3,700 9,000 75 30,300 150 50 84 228 1,432,902 1,000,850 3,800 9,200 75 32,000 178 50 102 247 1,42,810 1,057,730 3,000 75 33,000 178 103 246 1,581,880 1,125,725	100	3,000	000.6	75	30,000	52	44	169	253	1,392,043	825,	1,196,4
3,800 9,200 75 32,000 178 50 102 247 1,542,810 1,057,730 3,800 9,200 75 32,000 161 50 109 246 1,581,980 1,125,725		2 700	000	7.5	30.300	150	050	84	228	1,432,902	1,000,	1,442,52
2,000 0,000 75 33,000 161 50 109 246 1,581,980 1,125,725		3 800	0,200	7.2	32,000	178	50	102	247	1,542,810	1,057,	1,918,84
	0 10	2 000	0,700	72	33.000	161	20	109	246	1,581,980	1,125,	2,211,22

\*Information supplied by mail. \*\*Technical publications not included after 1962.

# LANDS AND FORESTS PUBLICATIONS

Cod	(Not including technical reports) le as of December 31, 1965
FW	FISH AND WILDLIFE
1 2 3 4 5 6 7 8 9 12 13 14 16	Sport Fishes of Ontario (colour wall chart) \$ 1,000 Commercial Fishing in Ontario Landlocked Sea Lamprey Summary of the Ontario Regulations which apply to Trapping and Fur Dealing Fur in Ontario Meet the Wildlife of Ontario's Outdoors
OR	OUTDOOR RECREATION
1 2 3 4 5 6 7 8	The Ontario Outdoorsman's Manual 0.25 So You Want to Go Camping Where to Fish in Northwestern Ontario Where to Fish in Northeastern Ontario Where to Fish in Southern Ontario The Ten Commandments of Hunter Safety Why Hunter Safety Training? How to Survive in the Woods
PP	PROVINCIAL PARKS
2 3 4 5 6	Algonquin Provincial Park Canoe RoutesAlgonquin Canoe RoutesQuetico Quetico Provincial Park Reptiles of Algonquin Provincial Park
F	FORESTS
1 2 3 4 5 7 8	The Forest Trees of Ontario

## FP

## FOREST PROTECTION

1 Our Forests Are Burning Tower Jack 3 The Forest Fires Prevention Act FI FOREST INDUSTRY 1 Lumber in Ontario 2 Pulp and Paper in Ontario 4 The Pointer Boat LW LAND AND WATER List of Water Powers in the Province of Ontario . . . . \$0.75 2 Geographic Townships in the Province of Ontario . . . . 0.50 3 Ontario Resources Atlas (maps in colour) . . . . . . . . 1.00 4 Summer Resort Lands in Ontario 5 Price List of Lithographed Maps and Plans Α ADMINISTRATION Annual Report of the Minister of Lands and Forests: Part I, detailed; Part II, Highlights. A Statistical Reference of Lands and Forests Administration 3 Ontario Forest Ranger School (Information brochure) 4 Ontario Junior Forest Ranger Programme 5 List of Publications for Distribution H HISTORY

1	Algonquin Story
	Camping in the Muskoka Region 2.00
3	Indians of Ontario
4	Early Days in Haliburton 2.50
5	Early Days (Air Service)
6	Fifty Years of Reforestation in Ontario 0.50
7	H. M. S. Nancy and the War of 1812

## FOREST DISTRICT HISTORIES

r Di	n FURESI	DIS	TRICT HISTORI	ES	
	Kapuskasing		Lake Erie		Kemptville
2	Geraldton	10	Kenora	18	Lindsay
3	Lake Huron	11	Gogama	19	Tweed
4	Port Arthur	12	Parry Sound	20	Sault Ste. Marie
5	White River	13	North Bay		
6	Sioux Lookout	14	Cochrane		
7	Lake Simcoe	15	Swastika		
8	Fort Frances	16	Chapleau		

NEW POLICIES

NEW POLICIES

# PARKS BRANCH

With the realization of an imminent need for public outdoor recreational space, the Division of Parks was established on October 1, 1954, with the late W. B. Greenwood as Chief. It was named Parks Branch in 1959.

- A. B. Wheatley was appointed Chief on April 1, 1961. After a lengthy illness, he was superannuated on December 31, 1964.
- $\text{D.\,R.}$  Wilson was appointed Chief on May 1, 1965. In 1965, the Branch was enlarged and re-organized.

Algonquin, the first provincial park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chapter 8. Rondeau was established in 1894 by the Rondeau Provincial Park Act, 57 Victoria, Chapter 15. Long Point was established in 1921 by the Long Point Park Act, 2 George V, Chapter 35. Presqu'ile was established in 1922 by the Presqu'ile Park Act, 12 George V, Chapter 39. Quetico, Ipperwash, Sibley and Lake Superior were established by Orders-in-Council.

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from the Department of Highways in 1957. Ten were returned in the year ending March 31, 1960.

Within the responsibility of providing parklands for public recreation is the provision of certain facilities. With few exceptions, the emphasis is placed upon the natural environment with planning and development consistent with the natural surroundings.

In certain provincial parks, museums, exhibit centres, self-guiding trails and interpretive programmes of conducted trips and illustrated talks indicate and explain significant natural and historical park features. In 1965, a new museum building at Rondeau was opened to the public.

Waterfowl shooting has been continued through the years in Rondeau and Presqu'ile Provincial Parks. It was discontinued, temporarily, in Darlington and Holiday Beach Provincial Parks and renewed in 1960 and 1961, respectively.

Pheasant shooting of stocked birds was opened in 1961 in Sibbald Point, Presqu'ile and Darlington Provincial Parks and in 1963 in Earl Rowe Provincial Parks. With the addition of the Townships of Bruton and Clyde to Algonquin Provincial Park in 1961, moose and deer hunting were permitted to be continued in those townships. Moose hunting, which has been discontinued in Lake Superior Park since 1957, was reopened in 1961.

To extend the use of provincial parks, 1960 saw the beginning of facilities to offer tobagganing and skating in Kakabeka Falls Provincial Park, tobogganing, skating and sking in Pinery Provincial Park and skating in Darlington Provincial Park. In 1962, a ski lift was added to the Pinery.

# PARKS BRANCH

Chief: D. R. WILSON RECREATIONAL LAND USE PLANNER J. W. KEENAN PARK PLANNING AND DEVELOPMENT Supervisor: D. M. PEACOCK PARK OPERATIONS Supervisor: W.G. CLEAVLEY SPECIAL PROJECTS Secretary to Ontario Parks Integration Board C.R. TILT

## PUBLIC USE OF PROVINCIAL PARKS

Year	Parks	Vehicles	Campers	Wilderness Campers¶	Total Visitors
1956	21		61,000		
1957	39	629,666	116,000		2,114,661
1958	4.5	927.871	196,000	16,309	3,232,460
1959	5.5	1,420,180	340,000	50,403	5,127,199
1960	63	1,552,662	421,000	35,778	5,692,978
1961	77	1,725,876	613,000	57,992	6,215,370
1962	82	2,182,116	750,000	46,753	7,822,549
1963	86	2,372,223	840,491	49,372	8,526,443
1964	90	2,549,716	922,632	49,112	9,139,975
1965 **	89	2,458,604	915,566	53,653	8,964,338

## ATTENDANCE AT INTERPRETIVE PROGRAMMES

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Lectures	Total
1950	1		6,173	363 413	1,230	7,766
1951 1952		200	5,390 14,341	752	3,017	8,146 18,310
1952	2 2	53.843	12,761	952	6,311	73.867
1954	3	72,889	18,920	1,353	9.714	102,826
1955	3	75,711	25,388	1,927	8.444	111,470
1933	3	/5,/11	20,900	19741	0,111	111,470
1956	5	91,246	23,125	2,015	10,727	127,113
1957	6	119,200	26,855	2,824	12,709	161,588
1958	6	146,681	40,617	3,973	17,589	208,860
1959	8	217,672	38,771	5,782	23,988	286,213
1960	9	*298,129	46,679	6,958	24,296	*376,062
10/1		*****	46.055	m 104	00 (0)	8204 057
1961	8 12	*311,291	46,955	7,104	29,626	*394,976
1962 1963	11	*374,475 *371,275	55,553 *61,647	9,748 10,949	47,641 51,143	*487,417 *495,014
1964	12	*367,292	*80,815	10,458	49,235	*507,800
1965**	19	*326,298	*81,462	10,438	51,639	*469,914
1703	17	520,270	01,402	10,010	01,007	40/,/14
A 7		200 (12	40.025	2 900	21 104	275 622
	uin	209,613	40,935	3,890	21,194	275,632
	Island.	*27,832	2 062	1,222	7 409	*27,832 *35,683
	'ile	*24,000 *7,042	2,963 4,336	430	7,498 3,084	*14,892
Quetic	0	7,042	4,000	430	3,004	14,072
Rondea	Ц	33,477		1,618	1,192	36,287
	d Point	24,334				24,334
			*500	597	2,661	*3,758
Inverh	uron		*18,650			*18,650
Lake S	uperior		*2,000	156	2,410	*4.566
	g-Iwan.		*2,000			*2,000
				2,580	13,600	16,180
	Lakes.		816	22		838
	Parks		9,262			9,262
O CHEL			,,			,,

<sup>\*</sup>Estimated

<sup>¶</sup>Algonquin and Quetico Parks. \*\*Preliminary Report.

# 89 PROVINCIAL PARKS IN OPERATION IN 1965

	89 PR	89 PROVINCIAL PARKS IN OPERATION IN 1965	KS IN 0	PERATION	1 IN 1965	(Prel	(Preliminary Report)	
District Park	Area (Acres)	Date Established	p	Authori Which E	Authority Under Which Established	Camp Units	Campers in 1965	Visitors in 1965
CHAPLEAU Five Mile Lake	1,010	Sep 29, 1958	958	0. Reg. 251/58	251/58	87	2,898	9,176
COCHRANE Greenwater Kettle Lakes Charles Island	10,560 2,417 172	May 21, 1963 May 21, 1963	1963	0. Reg.	117/63	25 95 12	1,390	13,205
FORT FRANCES Caliper Lake Lake of the Woods	2,673 1,148,800	Jul 22, 1960	096	0. Reg. 204/60 order-in-Counc	0. Reg. 204/60 order-in-Council	87 87 115	7,079 1,605 7,836	41,723 18,311 84,805
GERALDTON. Blacksand Klotz Lake. MacLeod Lake. Rainbow Falls.	3,353 210 200 207 277 8,150	Jul 22, 19 Jul 22, 19 May 21, 19 May 21, 19	1960 1960 1963 1963	0. Reg. 0. Reg. 0. Reg.	204/60 204/60 117/63 117/63	168 33 54 175 80	5,267 2,257 3,502 21,295 10,085	18,532 18,502 57,193 79,046 35,362
G OG AMA Ivanhoe	3,010	Jun 25, 19	1957	0. Reg. 144/57	144/57	135	4,026	13,271
KAPUSKASING Nagagamisis Remi Lake	11,878	May 21, 15 Jun 25, 15	1963	U. Reg.	117/63	80 70	2,169	10,750
KEMPTVILLE Ritzroy. Rideau River. Silver Lake. South Nation.	396 130 78 13	May 21, 19 May 21, 18 May 21, 19 Jul 22, 19	1963 1963 1963 1960	0. Reg. 0. Reg. 0. Reg.	117/63 117/63 117/63 204/60	251 191 197 28	7,789 18,017 16,454 4,252	76,886 249,497 92,193 40,427

118

62,877 32,634 38,454 101,899	37,424 182,238 180,590 309,710 333,235	23,373 591,140 347,620	59,634 125,197 107,300 55,295	123,201 66,086 80,174 305,028 112,000 97,232 969,052
9,502 6,548 6,821 13,605	1,737 4,261 16,764 22,750 51,805	3,445 32,261 15,776 	12,272 16,570 10,983 5,942	14,425 2,921 6,008 47,329 10,177 4,472
60 100 60 100	47 56 260 325 1,075	509 476 	170 331 146 115	154 20 20 76 650 150
0. Reg. 251/58 0. Reg. 251/58 0. Reg. 144/57 0. Reg. 204/60	0. Reg. 117/63 0. Reg. 254/58 Order-in-Council (Act-See above) 0. Reg. 229/57	0. Reg. 144/57 (Act-See above) 0. Reg. 70/59 0. Reg. 117/63	* 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0. Reg. 144/57 0. Reg. 161/64 0. Reg. 117/63 0. Reg. 251/58 0. Reg. 251/58 0. Reg. 117/63
Sep 29, 1958 Sep 29, 1958 Jun 25, 1957 Jul 22, 1960	May 21, 1963 Oct 6, 1958 Jun 24, 1938 May 3, 1921 Oct 11, 1957	Jun 25, 1957 May 5, 1894 Apr 21, 1959 May 21, 1963	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Jun 25, 1957 Jun 29, 1964 May 21, 1963 Feb 24, 1958 Sap 29, 1958 May 21, 1963
124 395 284 176	24 205 105 848 4,333	11,450 778 58 28 502	31 87 340	87 14 742 495 177 117 117
KENCEA Aaron	LAKE ERIE Clay Creek Holiday Beach Ipperwash Long Point	Rock Point	LAKE HURON Craigleith Inverturon Sauble Falls Point Farms	LAKE SIMCOE Bass Lake Devils Glen Earl Rowe Sibbald Point Springwater Springwater Masaga Beach

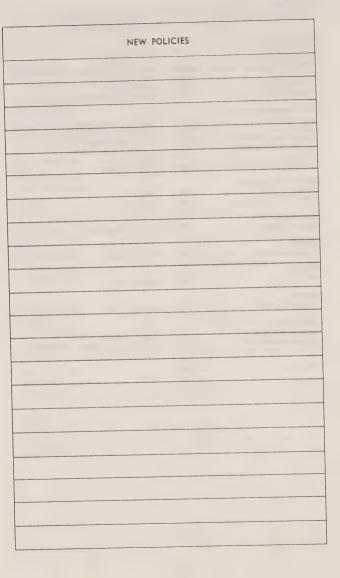
	District	Area	Date	Authority Under	Camp	Campers in 1965	Visitors in 1965
	Park	(Acres)	Established	Willen Establish			
	LINDSAY Darlington Emily. Emily. Mark S. Burnham Pre squ'ile Serpent Mounds Balsam Lake	380 58 101 2,170 70 1,040	Oct 30, 1959 Jun 25, 1957 Jul 26, 1955 May 18, 1922 Jun 25, 1957	0. Reg. 144/57 0. Reg. 148/55 (Act-see above) 0. Reg. 148/55	230 88 86 560 95	14,579 12,865 21,195 13,299 6,708	126,443 146,394 20,000 184,806 139,264 6,708
	Antoine	23 75 1,039 2,180	May 21, 1963 May 21, 1963	0. Reg. 117/63 0. Reg. 117/63	29 1114 237 224	920 8,263 111,199 7,490	17,226 39,988 132,316 56,890
120	PARRY SOUND Grundy Lake Oastler Lake Killbear Point Miklsew Sturgeon Bay	6,130 2,334 2,334 1,417	Apr 21, 1959 	0. Reg. 70/59 0. Reg. 161/64 0. Reg. 204/60 0. Reg. 117/63	485 120 722 123 87 258	17,051 13,698 27,520 5,603 5,307 3,044	136,580 140,443 212,456 72,501 29,796 23,457
	Algonquin	1,862,144 15 655	May 27, 1893 May 21, 1963	(Act-see above)	1,298 44 85	72,992 3,017 4,712	477,626 4,944 8,133
	PORT ARTHUR Inwood. Sibley. Kakabeka Falls	82 52,780 891	Sep 29, 1958 May 21, 1963 Jul 22, 1960	0. Reg. 251/58 0. Reg. 117/63 0. Reg. 204/60	62 350 104 50	10,786 15,698 23,606 5,659	19,484 40,697 304,358 27,168

69,641 19,245 113,363 7,561	4,123 7,505	33,269 112,352 100,375 17,641	14,314	47,464 25,000 24,428 409,766 189,152	57,198 16,229 8,964,338
28,764 31,295 2,494	1,251	7,786 2,956 12,791 2,886	3,623	6,561 3,398 19,810 14,307	17,797 11,118 915,566
316	5.82	132 76 97 100	136	200 60 400 400 400	225 84 15,410
Order-in-Council	0. Reg. 117/63	0. Reg. 144/57 0. Reg. 88/59 0. Reg. 183/64	0. Reg. 144/57 0. Reg. 117/63	0. Reg. 117/63 0. Reg. 144/57 0. Reg. 117/63	0. Reg. 117/63
Jan 13, 1944	May 21, 1963	Jun 25, 1957 Apr 4, 1959 Jul 17, 1964	Jun 25, 1957 May 21, 1963	May 21, 1963 Jun 25, 1957 May 21, 1963	May 21, 1963
710 333,632 95,360	1,560 6,130	85 293 245 app. 90,000	7,680	77 256 62 62 263 1,200 15,225	3,980
SAULT STE. MARIE Pancake Bay Batchawana Lake Superior Mississagi	SIOUX LOOKOUT Pakwash	SUDBURY Rairbank Windy Lake Chures Killarney	SWASTIKA Esker Lakes  kap-Kig-Iwan	TWEED Black Lake Lake on the Mountain. Lake St. Peter Outlet Beach Sandbanks Bon Echo	WHITE RIVER White Lake Obatanga

# 47 PROVINCIAL PARK RESERVE AREAS, 1965

DISTRICT Reserve Area	AREA (Acres)	LOCATIONS
CHAPLEAU Sand Shoals	24, 960	Peters, Cosens, Topham, Triquet Twps.
COCHRANE		
Pierre, Montreuil, Harris Lakes	46,000	McQuibban, Swartman Twps.
Long Point Peninsula	18, 500	Lake Abitibi
Dana Lake	3, 200	Whitesides Twp.
Moose River (Tidewater).	2,860	Adjacent to Horden Twp.
FORT FRANCES		
Warner Lake	7, 450	South of Tanner Twp.
Sandpoint Island	1,970 1,730	
Pow-Wow Grounds	1, 730	
GOGAMA Chester	28,000	Chester Twp.
Chester	20,000	Chester Twp.
GERALDTON	E0 000	
Esnagami Lake	58,000 2,700	Esnagami, Alpha, Rupert Twps. Twp. 81
Steel River	6, 500	Legauit, Colter Twps.
Lukinto Lake	2, 250	South of O'Meara Twp.
Purgatory Chutes	100	Pagwachaun River
Kama Bay	1,750	Twps. 88, 89, 91
KAPUSKASING		
Nagagami Lake	4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Hanlan Lake	9,000	Hanlan, Bannerman Twps.
KENORA Shark Lake	46 700	Western Desir sule I also of the Western
Shoal Lake	46, 700	Western Peninsula, Lake of the Wood
LAKE SIMCOE	0.000	m m
Methodist Point Little Lake	2,800 100	Tiny Twp. Vespra Twp.
Matchedash	6, 200	Matchedash Twp.
LINDSAY		
Red Pine Lake	6,580	Sherborne Twp.
Silent Lake	1,700	Cardiff Twp.
Kawartha	3, 800	Anstruther, Cavendish Twps.
Gull River	20	Somerville, Laxton Twps,

W.B. Greenwood	23,000	Gillies Limit: Brigstocke, Banting, Best Twps.
PARRY SOUND McDonald Bay O'Donnell Point. Round Lake South Bay Bigwind Lake Shawanaga Basin	1, 100 2, 130 24, 265 3, 936 5, 400 2, 560	Gibson Twp. Freeman Twp. Shawanaga, Ferguson, Burpee Twps. Nipissing Twp. Oakley Twp. Shawanaga, Harrison Twps.
PORT ARTHUR Silver Falls Kopka Lake Kashabowie Lake Arrowhead Peninsula Inwood Eaglehead Lake	8,800 37,300 19,130 850 1,075 750	Forbes, Fowler Twps. English Bay, Lake Nipigon Kashabowie Lake Northern Light Lake Inwood Twp. Eaglehead Lake
SAULT STE, MARIE Aubrey Falls Mashagama Lake	6,000 8,300	Twp. 4D Twp. 4F
SIOUX LOOKOUT Sandbar Lake	355	North of Skey Twp.
SUDBURY Wahnipitae Lake	1, 300	Rathbun Twp.
SWASTIKA McCann	640	McCann Twp.
TWEED McKenzie Lake	1,200	McClure Twp.
WHITE RIVER Kawapitapika Lake Dayohessarah Lake	2,800 36,928	Leslie, Knowles Twps. 66, Cooper, Tedder, Odium Hambleton Twps.
TOTAL	476, 284	



# PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

Recruitment
Recruitment of Professional Staff
Establishments
Junior Ranger Programme

Promotions Transfers Job Advertising

Personnel Records
Attendance
Annual Increments
Permanent and Probationary Appointments
Separations

Training Programme
Courses
Educational Leave
Grievances
Discipline

Classification Class Specifications Job Descriptions Salary Surveys

Employee Relations

# NUMBER OF EMPLOYEES in years ending March 31st

## STAFF TURNOVER

Discontinued From Reg & Prob Staff

Year	Reg- ular	Probat- ionary		*Cas- ual	Total	**Age	Misc.	Total
7042	204	210		220	9/1			
1943	304	218	• •	339		• •	• •	• •
1944	310	268	• •	397	975	• •	0.0	0 0
1945	324	305	• •	929	1,558	• •	• •	• •
1946	373	318		573	1,264	• •		
1947	523	562		527				
1949	1,167	196		562	1,925	• •	• •	
1950	1,352	157		580	2,089			
1951	1,420	141		701	2,262	28	99	127
1952	1,441	181	• •	790	2,412	17	122	139
1953	1,518	158		680	2,356	19	96	115
1954	1,546	175		633	2,354	34	95	129
1955	1,618	142		727	2,487	23	94	117
1956	1,611	180	• •	655	2,446	36	135	171
1957	1,583	175		929	2,687	31	137	168
1958	1,685	134	• •			26	69	95
1959	1,759	113		2,750		34	58	92
1960	1,946	90	• •	1,224	3,260	44	73	117
10/1	0.007	101	200	7 624	4 001	20		0.3
1961	2,096	121	320		4,271	38	55	93
1962	2,348	189	44		3,640	44	79	123
1963	2,368	181	40		3,290	58	97	155
1964	2,337	207	36			72	111	183
1965	2,309	193	24	625	3,151	49	244	293

<sup>\*</sup>Does not include extra fire fighters.

<sup>\*\*</sup>Retirements, superannuations and deaths.

ON STAFF

# NUMBER OF PROFESSIONAL EMPLOYEES

with University degrees in years ending March 31st

Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
		1943	56			19	75
		1944	45			13	58
		1945	54		• •	29	83
		1946	55			14	69
		1947					
		1949	85	18	2	10	115
• • •		1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1959	1960	1961	1962	1963	1964	1965
Chapleau	37	36	69	00	112		134
	24	25	36	33	57		69
Fort Frances	23	12	12	24	49		45
eraldton	64	46	09	22	94	113	115
бодата	39	37	47	53	56	29	65
Kapuskasing	40	36	36	39	62	72	09
	26	13	12	13	39	45	47
rth Bay	38	26	36	34	73	113	121
rry Sound	37	36	46	55	93	137	139
1	34	24	33	37	71	70	70
Arthur	39	24	25	36	3	137	135
lt Ste. Marie.	63	29	64	65	119	136	141
Sioux Lookout	1.5	13	•	23	47	49	54
ury	39	49	4 8	22	113	138	140
tika	26	24	48	40	86	116	113
te River	49	35	47	47	00	93	94
TOTAL	593	503	619	681	1.300 1 510		

# SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of November 30, 1964

Tel manent and Trobation	iai y baili a			-
GROUPS		Head Office	Field	Total
Adm Engineers		26	0	4.4
Air Engineers		36 2	8 32	44 34
Air Pilots		12	36	48
Biologists			2	2
Boat Captains Communications Technic		9	19	28
Conservation Officers		4	216	220
Conservation officers	• • • • • • •	**	2 10	220
Draughtsmen, Cartogra	phers	36		36
Drivers		4	27	31
Engineers		4		4
Engineers, Stationary		5	. 5	10
Foresters		46	141	187
Forestry Technicians.	• • • • • • •	7	614	621
Hatchery Staffs		9	55	64
Instructors		í		i
Legal Officers		3		3
Maintenance Staffs		22	77	99
Mechanics			45	45
0.001 C+-0.0-		3.40	0/1	103
Office Staffs		342	261	603
Photography Staffs		4	8	12
Radio Operators		3	21	24
Rangers		8	145	153
Reforestation Staffs.	• • • • • • •	2	80	82
Research Scientists		22	5	27
Research Technicians.		13	3	16
Safety Officers		2	8	10
Supervisory Staff		29	43	72
Surveyors		2		2
Survey Technicians	• • • • • •	1	• •	1
TOTAL		628	1,851	2.479
	Class 7	••	7	7
	Class 6	2	37	39
	Class 5	••	75	75
FORESTRY	Class 4	**	181	181
TECHNICIANS	Class 3	• •	84	84
2201112021110	Class 2	4	175	179
	Class 1	i	55	56
	Class 7	• •	2	2
	Class 6	1	11	12
CONSERVATION	Class 5	1	13	14
OFFICERS	Class 4	• •	26	26
	Class 3	**	23	23
	Class 2	2	135	137
	Class 1	• •	6	6
	130			

### ASSISTANT DEPUTY MINISTER

G. H. U. BAYLY

### REGIONAL DIRECTORS

R. D. K. ACHESON----- 172 Elm St., West

Sudbury

Telephone 674-3151

L. RINGHAM ----- Forestry Building,

14 North Algoma Street, Port Arthur.

Telephone 345-6543.

REGIONAL FORESTERS

R.H. HAMBLY ----- NORTHERN

J. M. TAYLOR ----

113 6th Avenue, Cochrane.

Telephone 272-4887

SOUTH-EASTERN Municipal Building, Metcalfe Street,

Tweed.
Telephone 478-2330

P. ADDISON ----- SOUTH-WESTERN

R.R. 2, Maple,

Telephone Toronto 889-1171-212

# LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

5,820 1,379 35,543 9,807 5,931 446
6,905 6,142 8,860 6,486
4,710 1,444 5,097 1,692 4,969 895 5,552 3,031 4,765
16,933 3,067 8,066 3,380 103,392 10,610

7,781 5,561 4,776 9,451	312.766
1,243 291 311 3,051	43,495
6,538 5,270 4,465 6,400	269,271
11,960 5,561 8,440 9,451	-4 IZ ,582
4,298 291 1,706 3,051	000
7,662 5,270 6,734 6,400 344,092	
Sudoury Swastika. Tweed White River	

\*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1.593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2, 120 feet above sea level.

### CHAPLEAU FOREST DISTRICT

		Telephone	
OFFICE: Corner of Lorne	and Beach, Chapleau Radio Roomafter hours Chief Rangerafter hours Air Serviceafter hours	864-1710 864-1711 864-1712 864-1713	
District Forester	*J.R. Keddie	864-1025	
Si	UPERVISORS		
Lands	V. Crichton* *J.E. Anderson	864-1687 864-1710 864-1843 864-1146 864-1146 864-0854 864-0297	
СН	IEF RANGERS		
Biscotasing	*L.T. Cecile 864- W.P. O'Donnell	1710(1453) . 866(823)	
DEPUI	I CHIEF RANGERS		
Chapleau	L.G. Woods 864-	1710(1685) . 875(862)	
NURSERY			
Chapleau	M.E. Hawkins 864-	1717(1547)	
PROVINCIAL PARK			
Five Mile Lake	R. Odorizzi	Chapleau	

### COCHRANE FOREST DISTRICT

Telephone			
OFFICE: Court House, Cochrane         272-4891           Duty Officers         272-4886			
District Forester F.L. Hall 272-4811(3234)			
SUPERVISORS			
Accounts         F.W. Barnes (Acting)         272-4796           Fish and Wildlife         S. Nodwell         272-4885(4869)           Forest Protection         *G.P. Elliott         272-4886(4492)           Assistant         *J.R. Russell         272-4886(4796)           Lands         H.E. Wright         272-4890(5207)           Parks         D.E. Stewart         272-4890(5233)           Timber         J.R. McNight         272-4889(4503)           Scaling         J.H. Butts         272-4889(5291)			
CHIEF RANGERS			
Cochrane         *A.C. Hutchinson         272-4892(5326)           Timmins         C.R. Gray         264-1262(0045)           Wade Lake         R. Woodall         Iroquois Falls 414			
DEPUTY CHIEF RANGERS			
Cochrane         *R. Paterick         272-4892(4917)           Cochrane         W. J. Froude         Frederickhouse 1r2           Cochrane         A.E. Ross         272-4888(4997)           Timmins         J. D. Bond         264-1262(267-3574)           Timmins         K. G. Wiskin         264-1262(0829)           Timmins         E. Everley         264-1262(5086)           Timmins         R. H. Wagner         264-1262(2669)           Smooth Rock Falls         K. C. Veitch         338-0425(0904)           Moosonee         L. A. Mahon         336-2241(2675)			
PROVINCIAL PARKS			
Greenwater G. Piche Cochrane 272-4892 Kettle Lakes J. Bond			

### FORT FRANCES FOREST DISTRICT

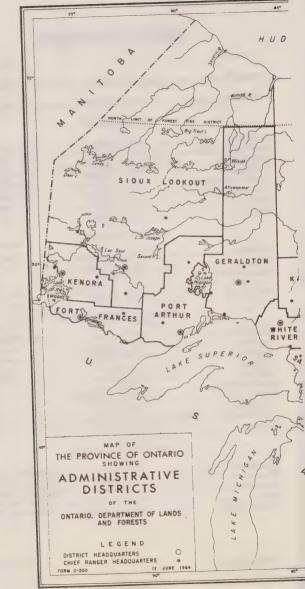
		Telephone
OFFICE: 922 Scott Street, F	ort Frances	274-5337
District Forester	*R.A. Balkwill	274-6292
SUI	PERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection, Lands and Parks. Timber Scaling	A.R. Taylor D.J. D'Agostini. R.D. Thomasson *R.V. Brady. L.L. Rawn H.R. Grinnell G.E. Mayhew	274-9406 274-6695 274-9693 274-9818 274-6176 274-3908
CHIEF RANGERS		
Fort Frances Atikokan	F. Dustak	28568
Fort Frances	A. J. Korpi S. V. Roberts F. R. Dumeney M. J. Kaliska S. A. Kellar	274-6522 274-5680 274-6534 2047 852-3360
UNIT FORESTER		
Atikokan	A. G. Dougall	6266
PROVINCIAL PARKS		
Caliper Lake	B. Houck One-Sided La D. McGregor	

<sup>\*</sup>Duty Officers.

# GERALDTON FOREST DISTRICT

OPPIOR -	Telephone
OFFICE: Beamish Avenue, Geraldton	854-1030
District Forester*G.E. MacKinnon	054 1040
SUPERVISORS	004-1649
Accounts B.J. Scalzo Fish and Wildlife E.H. Stone Biologist J. Goddard Biologist B.H. Gibson Forest Protection *M.J. Morison Lands and Parks A.F. Parker Timber J.F. Flowers Scaling A.G. Strey	854-1030 854-1030 854-1030 854-1030 854-0466 854-1030 854-1030 854-1030
CHIEF RANGERS	
Geraldton         P. Bellavance           Longlac         R. W. Koski           MacDlarmid         J. P. King           Pays Plat         B. J. Lapenskie           Nakina         J. A. Murphy           DEPUTY CHIEF RANGERS	854-1600 876-2351 1r2 83J2 80
Garalina	
Geraldton         M. Wasylkiw         534-11           Geraldton         E. D. Turner         1           Longlac         M. Linard         8           Longlac         A. Hoshino         8           MacDiarmid         J. W. Auger           MacDiarmid         B.A. Norris           Pays Plat         A. J. Bull           Pays Plat         K.E. Bowlier           Nakina         T.B. Scott	030(1602) 854-1600 854-1600 876-2351 1 R 2 1 R 2 83J2 83J2 83J2
PROVINCIAL PARKS	
Blacksand J.P. King MacDiar Klotz Lake R.W. Koski Longlac 8' MacLeod Lake P. Bellavance Geraldton 8' Neys B.J. Lapenskie Pays Pla Rainbow Falls B.J. Lapenskie Pays Pla	76-2351 54-1600

<sup>\*</sup> Duty Officers.



80° 75° BAY SON BELCHER IS O Ehwan P AKIMISKI m 0 COCHRANE m 0 PUSKASING SUDBURY® PEMBROKE OF KEMPTVILLE TWEED LINDSAY SIMCOE LAKE LAKE ONTARIO HURON FRIE LAKE J.

### GOGAMA FOREST DISTRICT

	Telephone	
OFFICE: Gogama	96	
District Forester	• • • • • • • • • • • • • • • • • • • •	
SUPERVISORS		
Accounts J. D. Petrony Fish and Wildlife D. J. Gawley Forest Protection *W. G. Taylor Lands and Parks. E. N. Arbuckle Timber *I. B. Earl Scaling E. Dew.	96(106) 96 (71) 96 (13) 96(186) 96 (37) 96 (7)	
CHIEF RANGERS		
Gogama         *A.F. Papineau           Foleyet         *J.R. Languerand	84 (34) 98 (70)	
DEPUTY CHIEF RANGERS		
Gogama         J.R. Morin.           Gogama         R.A. Beauchamp.           Gogama         D.S. Stewart           Foleyet         *W. E. Belisle           Foleyet         J.E.L. Morin           Foleyet         G. H. Herron	84(131) 84 (60) 84(137) 98 (62) 98 (89) 98(154)	
PROVINCIAL PARK		

J. R. Languerand ... Foleyet 98 (70)

Ivanhoe ....

### KAPUSKASING FOREST DISTRICT

	Telephone
OFFICE: Kapuskasing(705	335-2231
District Forester *D.A. Fawcett	. 335-5503
SUPERVISORS	
Accounts         R.W.E. Stone           Fish and Wildlife         M.R. Cusson           Forest Protection         *J.L. Canfield           Lands         *A.J. McGoey           Parks         P.J. Hare           Timber         *J.R. Oatway           Scaling         V.M. Silver	. 335-2438 . 335-4154 . 335-5062 . 335-4132 . 335-3367
CHIEF RANGERS	
Kapuskasing J. H. Clavelle  Hearst	
Kapuskasing         J. Albert         Fau           Kapuskasing         J. G. Duhaime         Opa           Kapuskasing         D. C. Jones         Opa           Hearst         G. O. Koistinen         Meanst           Hearst         F. J. Labonte         Meanst           Hearst         J. H. Thompson         Meanst           Hornepayne         B. R. Blais         Meanst           Hornepayne         L. F. Smith         PROVINCIAL PARKS	satika 3324 . 335-5414 . 362-4853 lattice 4480 . 362-4981 . 466
Nagagamisis	payne 90
Remi Lake J. L. Sigouin	

<sup>\*</sup>Duty Officers

### KEMPTVILLE FOREST DISTRICT

Telephone			
OFFICE: Kemptville	Nights, Holidays	258-3413 258-2298	
District Forester	*W. A. G. Thurston	258-3335	
SUP	ERVISORS		
	F. S. Bumstead	258-2483 258-2280 258-3209 258-2780 258-3209 258-2408	
DEPUTY CHIEF RANGER			
Lanark	D. KennedyInnis	ville 6r21	
ZONE FORESTERS			
Kemptville	J. W. Lloyd	258-3413 7	
NURSERY			
Kemptville	*H. H. de Vries	258-2323	
PROVINCIAL PARKS			
Fitzroy Rideau River Silver Lake South Nation	F.W. Irwin Arnprior W. Oakes Kemptville C. Dawson Mal H. Leroux Plantagenet	258-2817 berly 9r31	

Government Government KENORA FOREST DISTRICT Publications

			Telephone
OFFICE: 936 Park Street, 1	Kenora		468-9841
District Forester	*G. F.	Coyne	468-7771
St	JPERVI	ISORS	
Accounts Fish and Wildlife Forest Protection Lands Parks Timber Scaling	*W. H. *H. R. J. A. H. J. R. A.	McChesney	468-8190 468-6284 468-7584 548-4094 468-5450 468-5452 547-2347
СН	IEF RA	ANGERS	
Kenora	N. B. L. E.	Minor	. 8
Kenora Kenora Kenora Minaki Dryden Dryden Dryden Vermilion Bay Sioux Narrows	W. N. A. W. J. K. M. L. W. O. A. E. R. J.	Gordon 468-6600 feculeac 468-6600 Stone 468-6600 Cleaveley Frenette. 223-2341 Hansson. 223-2341 Lundmark. 223-2341 Kincaid	548-4219) (468-5106) 8 (142) (938-6497) (223-2521) (938-6316) 2660(2654)
PROVINCIAL PARKS			
Aaron	M. L.	Frenette	223-2341

Blue Lake ..... Rushing River.....

Sioux Narrows .....

R. J. Kincaid ..... 227-2660

W. Neculeac ..... 468-6600

180

H. D. Morrison .....

## LAKE ERIE FOREST DISTRICT

	ŗ	Telephone
OFFICE: Aylmer West	Aylmer	773-9241
District Forester	*J.W. Lockwood773-9	141(9194)
SUF	ERVISORS	
Accounts	G.B. Fewings	773-8253 773-3375 773-9828 631-8431
ZONE FORESTERS		
London Dunnville	J. A. Fingland	438-7126 774-5811
N	TURSERY	
St. Williams	W. H. Forman, Port Rowan	586-3863
PROVINCIAL PARKS		
Clay Creek	J. A. Matheson Thedford J. A. Bass Amherstburg J. A. Matheson Thedford	296-4652 736-3772 296-4652
John E. Pearce Long Point	T. L. BeckPort Rowan G. C. Myers Thedford	586-2133 296-4462
Port Bruce	D. A. ScottDunnville J. H. Lever Ridgetown	774-4242 674-2137
St. Williams Turkey Point Wheatley	W. G. StrowgerSimcoe M. J. JacksonWheatley	426-3239 825-4761

<sup>\*</sup>Duty Officers.

### LAKE HURON FOREST DISTRICT

	Telephone		
OFFICE: Hespeler	658-9356		
District Forester E. K. E. Dre	yer 621-7338		
SUPERVISORS			
Fish and Wildlife D. R. Johnst Biologist W. D. Manse Timber, Forest Prot J. L. Mullen	658-4015 on 621-1576 ell 824-6125 . 745-7531 n 822-1967		
ZONE FORESTERS			
Hespeler (Guelph Zone) N. R. Oldfiel Stratford L. C. Scales Owen Sound (Bruce County) C. F. Coons	t ld 744-6882 271-4773 376-1309 387-9391		
FARM FORESTER			
Owen Sound J. F. W. Gou	rlay 376-7586		
PROVINCIAL PARKS			
Inverburon G. E. Brown Point Farms C. E. Bates	d.Collingwood 445-4467 Tiverton 69r6 Goderich 524-7124 Hepworth 935-2354		

## LAKE SIMCOE FOREST DISTRICT

Telephone

OFFICE: R.R. 2, Maple	(416) Toronto 889-1171 Duty Officers 889-1172		
District Forester *	A. W. Leman ext 218(884-1787)		
SUP	ERVISORS		
Parks	G. C. Bragg ext 215 R. H. Trotter ext 211 A. A. Wainio ext 211 W. M. Mitchell ext 224 H. V. Berg. ext 222 D. J. Vance ext 221(884-6390)		
ZONE 1	FORESTERS		
Orangeville	J. D. Griffithsext 220(884-7541) R. M. Monzon (519) 941-4370 W. S. McNeice (705) 449-5312		
FARM	FORESTER		
Maple *	R. N. Staley ext 213(727-5919)		
UNIT	FORESTER		
SRMU, Coldwater	G.R. Lane(705) 686-3342		
DEPUTY (	CHIEF RANGER		
Severn	H.H. Cochrane (705) 686-3342		
TREE S	SEED PLANT		
Angus	W. E. Edwards (705) 449-5311		
NURSERY			
Midhurst	J. M. Halpenny (705) 728-2846		
PROVINCIAL PARKS			
Bass Lake Devils Glen Earl Rowe Mara Sibbald Point Six Mile Lake Springwater Wasaga Beach	F. B. Richardson (705) 326-7054 L. O'Dell (705) 429-2516 W. Braden (705) 326-4451 D. R. Cutts (416) 722-5182 R. G. Ellis (705) 686-3342 C. D. Jackson (705) 728-7393 L. O'Dell (705) 429-2516		
*Duty Officers.	146		

### LINDSAY FOREST DISTRICT

	211100711		
		ŗ	Telephone
	OFFICE: Ontario Governmen	nt Building, Lindsay (Direct line from He	
	District Forester	*A.E. Walroth	324-6386
	SUF	PERVISORS	
	Forest Protection  Lands  Parks  Timber	H. C. Wallwin  *P. W. Swanson  *B. B. Benson  *G. Simons  *P. R. Davidson  *E. M. Cressman  *R. A. Quirt	324-6121 324-4478 324-2647 324-2250 324-3355 324-3825 324-2715
	CHIE	F RANGERS	
	Minden	P. J. Cassidy	
	DEPUTY	CHIEF RANGERS	
	Minden	M. J. O'Neill H. N. Bates Halibur J. M. Scott S. A. Shields	656-4361
	ZONE	FORESTERS	
	Lindsay	J. A. Waddell G. N. Crombie L. J. Haas R. W. Tippett	324-6121 324-6121 224 475-2204
	N	TURSERY	
	Orono	W.R. Bunting	
HATCHERIES			
	Codrington (Fish)  Codrington (Pheasant)  Deer Lake (Fish)	G. Groondahl Brighton E. R. Mound Brighton J. M. Hunt Havelock	
PROVINCIAL PARKS			
	Lindsay Area Parks Balsam Lake	R. J. White Coboconk	324-6121 454-3252

J. A. Robertson . . Oshawa 723-4341

O. G. Irwin .... Brighton 475-2204

Darlington .....

Presqu'ile .....

<sup>\*</sup>Duty Officers.

### NORTH BAY FOREST DISTRICT

Telephone

	- oroginame
OFFICE: 269 Main Street West, North Bay	
District Forester *W.B.M. Clarke	472-7545
SUPERVISORS	
Accounts         J. E. Rogers           Fish and Wildlife         *J. F. Gage           Forest Protection         *F. M. Miller           Lands         W. G. Turnbull           Parks         A. D. Tremblay           Timber         S. R. Hamilton           Scaling         F. L. Sullivan	472-8426 472-1599 474-5716 472-1744 474-5712 474-5550 474-8493
CHIEF RANGERS	
North Bay *H. N. Whalen	474-5645 569-2231
North Bay	472-3646 472-8192 472-4487 744-2276 4r3 898-2441 914 569-2295 569-3591
Antoine D. McElroyMattawa Finlayson Point R. D. HughesTemagami	

Marten River...... H. J. Edmundson ..... 4r3
Samuel de Champlain ..... C. H. Laberge... Mattawa 744-2276

### PARRY SOUND FOREST DISTRICT

	OFFICE: 6 Miller Street, Parry Sound	• • •	746-2141
	District Forester *M. A. Adamson		746-2839
	SUPERVISORS		
	Accounts G. F. Walter Fish and Wildlife	• • • • • • • • • • • • • • • • • • • •	746-2389 746-8622 746-8330 746-2672 746-5513 746-8808 746-2479 746-8309
	CHIEF RANGERS		
	Parry Sound       *J. A. Shalla       .7         Powassan       J. L. Hamill       .7         Bracebridge       R. J. Hall       .6	24-2	640(2837)
	DEPUTY CHIEF RANGERS		
	Parry Sound         J. M. McEwen         Mo           Powassan         E. R. Brooks, Trout Cr           Bracebridge         M. Salt         Ardbeg           Ardbeg         R. J. Simms . Parry So           Dorset         J. S. Booker         7           Byng Inlet (Britt)         M. C. Kennedy         3           Loring         R. F. Kimberley         7	eek und 66-2 83-2	723-5361 645-4607 746-9881 212(2253) 361(2361)
ZONE FORESTERS			
	Parry Sound		746-2141 724-2640
PROVINCIAL PARKS			
	Grundy Lake F. Irwin Killbear Point R. Brookland No Mikisew A. White South Ri Oastler Lake G. McRoberts Orrv Restoule W. Davis Sturgeon Bay D. Stanley, Pointe au Ba	bel ver ille	342-5492 386-2271 378-2202 529-5707 366-2251

<sup>\*</sup>Duty Officers.

### PEMBROKE FOREST DISTRICT

	Telephone		
OFFICE: 162 Agnes Street,	Pembroke		
District Forester	*F.E. Sider 735-5718		
st	PERVISORS		
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks	G. N. McGeachy 732–3661 H. E. Deedo. 732–3661 M. L. Wilton 732–3661 *J. K. K. Legris 735–6396 J. Orme 732–3661 J. E. Collard 732–3661		
Timber	*D. E. Gage		
СНІ	EF RANGERS		
Pembroke	*R. N. Cousineau 732-3631(4106) H. W. Hanes 637-2780 F. Mitchell 586-2604		
DEPUTY	CHIEF RANGERS		
Pembroke Pembroke Whitney Whitney Whitney Stonecliffe Stonecliffe Achray Achray Kiosk Round Lake	M. I. Mantifel. 732-3631 D. F. Palubiski 732-3631 M. L. Doney 637-2780 W. A. Lentz 637-2780 J. T. Linklater 637-2780 K. H. Moore 637-2780 R. C. Bilsborrow 586-2604 J. H. Bingley 586-2604 A. E. Prange S. K. Rowe W. D. Christie 165 C. R. Buske, Killaloe 635r2		
ZONE FORESTERS			
Pembroke Pembroke Pembroke Pembroke	J. H. Buchner       732-3661         A. P. Matiece       732-3661         L. S. McCoy       732-3661         W. W. Wahl       732-3661		
PROVINCIAL PARKS			
Algonquin	V. W. Fiskar 633-5572(5542) 637-2780 586-2604		
*Duty Officers.			

### PORT ARTHUR FOREST DISTRICT

Te	lephone		
OFFICE: Forestry Building,			
	<b>1</b> 5-65 <b>4</b> 3		
District Forester *W.L. Sleeman 62	22-7502		
SUPERVISORS			
Fish and Wildlife         C. A. Elsey.         34           Biologist.         H. R. Timmerman.         34           Forest Protection         *F. M. Dodds         34           Assistant         *G. E. Doan         34           Lands         W. H. Jarvis         34           Parks         E. Diamond         34           Timber         34	45 - 6543 44 - 0501 44 - 4968 44 - 5417 45 - 6653 45 - 6543 45 - 6543 45 - 6543		
CHIEF RANGERS			
Armstrong J. A. Moore	44-8157		
DEPUTY CHIEF RANGERS			
Armstrong. G. J. Frenette Shebandowan J. B. Monteith Shebandowan W. M. Pennock Fort William N. J. Small Black Sturgeon R. D. Killer Upsala. L. W. Reid			
NURSERY			
Fort William R. J. Burgar			
PROVINCIAL PARKS			
Inwood         L.W. Reid         Up           Kakabeka Falls         G. Whitefield         6           Middle Falls         T. Hill         Pigeon Riv	23-0176		

Sibley ..... W. C. Holt .....

<sup>\*</sup>Duty Officers.

### SAULT STE MARIE FOREST DISTRICT

	Telephone
OFFICE: Airdrome Building, Sault Ste. Marie	949-1231
District Forester *J.S. Ball	253-8564
SUPERVISORS	
Accounts G. J. Murray. Fish and Wildlife C. A. Lewis. Biologist. N. R. Payne Forest Protection * Fire Control Officer *	254-3847 253-3442 253-9747  253-6933
Lands J. M. Small	785-3458
Timber *L.H. Eckel	253-6311
Scaling M. V. Osborne	254-1685
CHIEF RANGERS	
Sault Ste. Marie	253-3478 256-7166 856-4211
DEPUTY CHIEF RANGERS	
Sault Ste. Marie L. G. Bell. Sault Ste. Marie L. J. Pigeon . Blind River W. J. Lovering . Blind River H. J. Stoneman Kirkwood D. W. Hemphill.Thessalon Kirkwood I. E. Seabrook .Thessalon Kirkwood C. W. Stoneman Thessalon Kirkwood G. N. Gibson Pancake Bay R. H. Gemmill . Batcha Mount Lake G. R. Murray .Blind River Ranger Lake A. R. McClelland Desbarats Elliot Lake C. J. Osborne Agawa F. E. Senecal . Wawa, Agay Peshu Lake C. D. Vaughan	356-7554 5782-6401 848-2741 wa Bay 312
KIRKWOOD MANAGEMENT FOREST	
Little Rapids, Thessalon W. K. Fullerton	********
PROVINCIAL PARKS	
Batchawana G. Black	

### 152

F. E. Senecal Wawa, Agawa Bay 312 C. J. Osborne Elliot Lake 848-2741

G. Black ..... Batchawana 2317

Lake Superior.....

\*Duty Officers.

### SIOUX LOOKOUT FOREST DISTRICT

Te	lephone
District Forester *R. A. Baxter 7	37-1140 37-2261 37-3620
SUPERVISORS	
Fish and Wildlife         C. E. Perrie         7           Biologist         A. E. Armstrong         7           Forest Protection         *E. W. Bouchey         7           Lands and Parks         E. Fraehlich         7           Timber         G. A. Ashenden         7           Management Forester         J. H. Sellers         7	37 - 2892 37 - 1562 37 - 3750 37 - 3622 37 - 2953 37 - 2243 37 - 1033 37 - 1530
CHIEF RANGERS	
Sioux Lookout   G. M. Fenelon   737-114     Red Lake   D. R. Williams   Fickle Lake   S. W. Hanson     Ignace   F. R. Nicoll   934-223	475 (22) 3111
DEPUTY CHIEF RANGERS	
Sioux Lookout         G. A. Baverstock         737-112           Sioux Lookout         C. W. Clark         737-114           Sioux Lookout         J. W. Lyon         737-114           Sioux Lookout         S. A. Sprager         737-114           Red Lake         A. R. Larson         47           Red Lake         J. S. Legace           Red Lake         A. H. Snow           Pickle Lake         I. Lawson         311           Ignace         D. R. Fortner         9	40(3099) 40(2133) 40(1779) 75 (755) 475 140 1 (3471)
PROVINCIAL PARKS	
Pakwash R. Williams	

Ojibway..... G. Fenelon.....

<sup>\*</sup>Duty Officers.

### SUDBURY FOREST DISTRICT

Telephone			
OFFICE: 172 Elm Street West, Sudbury 674-3151 (Direct line from Head Office)			
District Forester *G. A. Hamilton 674-1503			
SUPERVISORS			
Accounts         G. Jennings         673-1973           Fish and Wildlife         C. Bibby         675-7815           Biologist         D. I. Gillespie         674-3151           Forest Protection         *L. G. Ridsdill         566-2384           Fire Control Officer         *W. A. Humphrey         969-4910           Lands         A. S. Currie         675-8402           Parks         L. R. Davey         673-1012           Timber         H. Henry         566-0248           Scaling         G. Munro         853-4490			
CHIEF RANGERS			
Sudbury.       *W. Wetow       673-7458         Skead       V. Bragg       969-2361         Espanola       E. Morin       869-2075			
DEPUTY CHIEF RANGERS			
Sudbury         L. Collard         897-5143           Sudbury         K. Kukkonen         673-0973           Sudbury         G. Van Horn         675-5815           Skead         D. R. Hand         969-4019           Skead         U.A. Penttinen         969-2502           Skead         A. T. Proulx         969-2503           Espanola         W. Piche         869-1675           Massey         F. A. Hansson         Spanish         844(114W)           Windy Lake         D. H. Kohls         966-2315           Jamot         L. P. MacDonald         857-2004			
PROVINCIAL PARKS			
Chutes         F. A. Hansson         Spanish 884 (114W)           Fairbank         R. St. Germain         Worthington           Killarney         J. Maddison         Killarney           Windy Lake         D. H. Kohls         966-2315			

<sup>\*</sup>Duty Officers

### SWASTIKA FOREST DISTRICT

		Telephone	
OFFICE: Swastika	Kirkland Lake	642-3222	
District Forester	*J. D. Hughes	567-5604	
SU	PERVISORS		
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Scaling	H. Michiel D. Waldriff J. F. Gardner *L. L. Bronson J. McDougall H. Mattson A. H. Peacock F. Thib Englehart	567-7548 568-8712 642-3489 567-4708 567-4732 567-4054 567-6766 544-2136	
СНІЕ	EF RANGERS		
Swastika	*L. E. St. Pierre 642-32110 V. L. Wilson G. L. Jones	(567-4673) 119(399) 28(85)	
DEPUTY	CHIEF RANGERS		
Swastika West Swastika East Matheson West Matheson East Elk Lake Matachewan Englehart Larder Lake	E. C. Borden	544-7619) 119(421) 119(179) 28(53-B) 28	
NURSERY			
Swastika	D. Jefferson	642-3339	
FISH	HATCHERY		
Hill Lake	P. Graf	544-2834	
PROVINCIAL PARKS			
Esker Lakes Kap-Kig-Iwan	O. Ranta E. W. Lee Englehart	642-3222 544-2050	

<sup>\*</sup>Duty Officers.

### TWEED FOREST DISTRICT

Telephone

Telephone			
OFFICE: Municipal Bldg., Metcaîfe St., Tweed. (613) 478-2330			
District Forester *N.D. Patrick 478-2246			
SUPERVISORS			
Accounts       J. A. Vance       478-3022         Fish and Wildlife       R. E. Whitrield       478-2513         Biologist       W. F. Chesnire       478-3437         Forest Protection       *B. T. Dunne       478-2906         Lands       L. G. Rowson       478-2527         Parks       *W. H. Cantelon       478-3111         Timber       *C. J. Heeney       478-2330         Scaling       W. J. Everett       478-3026			
CHIEF RANGERS			
Tweed     J.J. Shaila     478-2338(2900)       Dacre     649-2218       Bancroft     O. Goodman     47(108-W)       Napanee     E.W. Ferguson     354-4766(3081)			
DEPUTY CHIEF RANGERS			
Tweed         D. Mumtord         478-2338(2208)           Dacre         J. J./ Windle         649-2218(432-5256)           Bancroft         R. E. Sutherland         47           Bancroft         L. H. Wright         47           White Lake         H. E. Clark         335-2115           Plevna         W. Gorr         38(7J)           Green Lake         J. I. McKenzle           Palmer Rapids         R. Musclow         7(31)			
ZONE FORESTERS			
Tweed       W.W. Hiscock       473-2538         Dacre       F. Walker       649-2218         Bancroft       E. Markus       47(498)         Napanee       E. Edson       354-4766(Bath 91)			
HATCHERY			
White Lake A. M. Snider 335-2115(5308)  PROVINCIAL PARKS			
Black Lake			

156

\*Duty Officers.

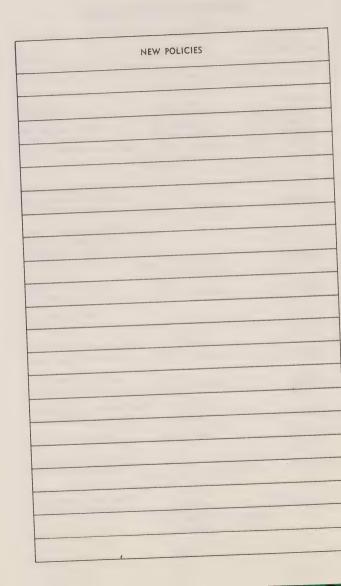
### WHITE RIVER FOREST DISTRICT

		Telephone	
OFFICE: White River		186	
District Forester	G. A. McCormack	186(294)	
SUL	PERVISORS		
Accounts Fish and Wildlife Biologist Forest Protection Lands and Parks Timber Scaling  CHIF White River Wawa	W. C. Johnstone. E. A. Pozzo. M. R. Wolfe W. Kitt J. J. Sargent W. C. Stevens J. E. Hamilton F. RANGERS V. E. Niemi. J. C. MacDonald 856-	148 (59) 186 (131) 186 (246) 186 (391) 186 (351) 186 (255) 186 (5) 149 (392) 149 (392)	
DEPUTY CHIEF RANGERS			
White River Wawa, Wawa, Franz Manitouwadge,	I. Riives	856-2120 -2120(7132) 2216	

## ONTARIO FOREST RANGER SCHOOL

		Telephone
DORSET		766-2242
Director	Q. F. Hess B. sc. F., F. E., R. P. F.	766-2359
Accountant	J. Palmer	789-4345 den 514r23 766-2304 766-2242 766-2237
Head, Forestry Section;		
Silviculture, Certificate and other courses	J. E. Dickenson B.sc.F., R.P.F.	789-2336
Head, Fish and Wildlife Sect; Fish and Wildlife,		
English, Certificate and other courses	V. B. Collins B. A., M. S. A.	766-2335
Forest Fire Control Training in Ontario	G. D. MacAdam	766-2386
Dendrology, Soils, Forest Protection	E. Goodman	766-2312
Dendrology, Mathematics, Road Construction	D. L. Lillow	766-2238
Mensuration, Scaling courses	G. J. Pennock	635-2953
Mensuration, Utilization, Camp Clerking	J. D. Ryan	766-2336
Surveying, Drafting	W. P. Small	766-2344
First Aid (St. John Ambulance Course)	Mrs. P. Briscoe	766-2237
Forest Pathology, Utilization, University of Toronto Forest	G. Wilson (University of Toronto) B. sc. F., R. P. F.	789-5360

NEW POLICES
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### RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

Southern Research Station was established in 1944 near Maple where it provided a beadquarters and laboratory space for the majority of the staff.

R. N. Johnston was appointed Chief on January 1, 1944, and Director on October 1, 1957; he retired on September 15, 1964.

A.P. Leslie was appointed Chief on September 15, 1964.

### **FORESTRY**

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carvies out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within ecomonic limits.

A site research programme has been carried on since 1944 to provide a framework for forest management by establishing ecological types---combinations of landform, soil, climate and forests. Elever site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begin in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started——two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

### RESEARCH BRANCH

Chief: A.P. LESLIE Executive Officer: A. R. FENWICK FISHERIES K. H. LOFTUS WILDLIFE R. O. STANDFIELD FORESTRY D. H. BURTON MECHANICS M. H. BAKER STATISTICS T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

Wood quality studies were started in 1962 to gain an understanding of the specific physical and chemical qualities of commercially important tree species.

### SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

### FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

### Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advise on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

A new project was begun in 1962 to co-ordinate limnological research and collect data which are specifically related to studies on the fluctuations in year-class strengths of commercial and game fish.

### Wildlife

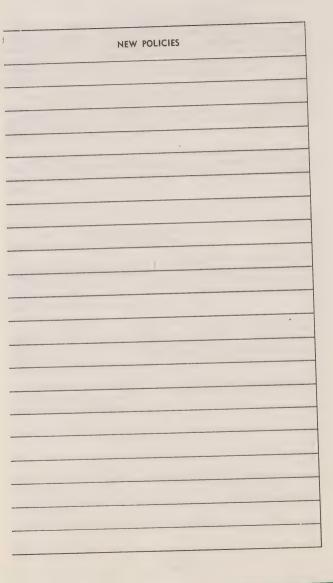
In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), furbearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife----mainly forest damage caused by deer, rodents and hares.

NEW POLICIES
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### TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J. F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

- J.A. Brodie was appointed Director of the Forestry Study Unit established on August 31, 1964.
  - M.B. Morison was appointed Chief on September 1, 1964.

### TIMBER BRANCH

Chief: M. B. MORISON

### REFORESTATION SECTION

Supervisor: R.W. Hummel

Tree Production and Distribution Soil Amendment Programmes Extension Forestry

### SILVICULTURE SECTION

Supervisor: A.J. Herridge

Forest Inventory Management Planning Silviculture Operations

### TIMBER SECTION

Supervisor: J.W. Giles

Sales, Licensing Stumpage Appraisal Scaling

Special Projects

### REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Gueiph in 1904.

The nursery was moved to St. Williams in 1908 and supervised by Dr. Zavitz for the Department of Agriculture until 1912 when it was handed over to the new Forestry Branch established within the Department of Lands, Forests and Mines.

Dr. Zavitz transferred at the same time to assume control of the new Branch. He became Provincial Forester in 1917 and Deputy Minister for the Forestry Branch in 1926. He was Chief of Reforestation Division from 1941 until he was succeeded by G. H. U. Bayly on March 1st, 1953. Mr. Bayly retained this office until he was appointed Assistant Deputy Minister when the Department was reorganized in 1957.

Reforestation Section administers the collection of tree seed, the processing and planting of seed, nursery production, the distribution of nursery stock to the public, and the supply of trees for planting on Crown lands and Agreement Forest lands. It is carrying out a programme to improve the quality of seeds and seedlings. In the reforestation programme, it administers agreements made between the Minister and Corporations such as Authorities, Counties and Townships.

The Section allocates monies appropriated by the Legislature to conservation authorities and municipalities to assist them in the acquisition of lands that are suitable for forestry purposes and that are managed under agreement with the Department.

The Section has recently expanded the Private Land Forestry programme which includes technical assistance and advice to private landowners to encourage the growth and management of wood-lots.

### REFORESTATION ESTABLISHMENTS

As at March 31st, 1965

SEED PLANTS	YEAR ESTABLISHED
AngusSt. Williams	
FOREST STATIONS	
Chapleau Dryden  *Fort William Gogama  *Kemptville *Midhurst *Orono Sault Ste, Marie *St. Williams Swastika White River	
NURSERY STOCK furnished	in year ended March 31, 1965
White Spruce 16, 290, 952 White Pine 10, 256, 875 Red Pine 9, 391, 180 Jack Pine 6, 312, 850 Black Spruce 3, 104, 710	Red Spruce.       154, 200         Red Oak       120, 775         European Larch       96, 560         Black Locust       78, 325         White Ash       55, 345
Scotch Pine       2, 118, 706         White Cedar       735, 944         Carolina Poplar       312, 555         Norway Spruce       217, 460         Silver Maple       162, 853	Tamarack

<sup>\*</sup>Demonstration forests. All forest stations include tree nurseries.

### FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

	NO. OF
PERIOD	TREES
1905-1912	1,480,539
1913-1925	13, 096, 866
1925-1930	46, 642, 175
1930-1935	51, 996, 837
1935-1940	67, 900, 012
1940-1945	57, 617, 763
1945-1946	13, 175, 575
1946-1947	12, 269, 533
1947-1948	13,049,776
1948-1949	17, 700, 970
1949-1950	19,027,807
1951-1952	20, 749, 268
1952-1953	24, 241, 754
1953-1954	23, 448, 860
1954-1955	25, 519, 383
1955-1956	00 051 400
	28, 351, 483
1956-1957	31, 081, 112
1957-1958	25, 854, 262
1958-1959	33, 414, 110
1959-1960	41, 682, 125
1960-1961	49, 833, 412
1961-1962	43, 194, 863
1962-1963	43, 767, 916
1963-1964	43, 922, 685
1964-1965	49, 484, 068
TOTAL	798, 503, 154
DISPOSITION OF NURSERY STOCK	
in year ended March 31, 1965	
Furnished in respect of private lands	10,791,980
Furnished for educational or scientific purposes	140, 516
Furnished for use of Ontario	38, 551, 572
TOTAL	49, 484, 068

## TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

1955-65	2,883,725	6,290,625	1,161,075	1,401,475	797,625
	1,345,125	471,250	460,975	2,014,175	1,177,325
	1,374,250	7,270,725	1,237,275	3,658,106	1,655,000
	1,839,825	1,485,775	5,453,880	2,420,645	758,625
	233,325	452,800	707,375	263,050	1,026,950
1965	243,475	271,000	120,250	93,000	71,725
	83,450	22,875	41,625	224,450	110,550
	94,850	480,600	141,450	313,375	162,350
	216,125	65,475	466,950	190,150	65,500
	2,375	56,525	85,350	69,625	87,525
1964	229,525	353,125	107,575	122,925	30,550
	93,350	56,825	26,175	146,900	78,875
	97,025	394,400	135,050	251,400	121,625
	215,850	130,750	260,550	190,800	71,575
	3,500	36,225	76,375	48,175	59,125
1963	266,075	430,525	128,950	114,950	33,875
	99,650	39,600	61,775	153,150	96,075
	94,800	240,750	169,000	389,750	146,225
	223,750	135,450	352,675	205,950	73,400
	60,450	38,525	58,075	42,950	107,975
1962	221,525	425,725	146,325	139,450	49,675
	130,050	58,875	75,525	148,625	134,225
	148,575	257,675	189,800	305,900	125,400
	290,925	96,225	365,625	201,250	105,250
	59,350	26,300	106,725	34,850	96,325
1961	281,950 140,425 156,400 145,125 54,550	877,600 86,425 244,475 220,425 56,325	138,200 78,906 217,575 710,825 111,625	119,050 241,125 243,125 433,125 276,025 13,975	75,650 134,175 179,625 123,050 92,825
1960	426,425	471,000	171,025	147,300	105,825
	161,450	52,925	43,400	200,200	161,375
	143,050	729,450	133,925	446,000	212,825
	148,275	146,875	753,825	250,750	93,900
	17,800	73,300	84,025	8,625	172,325
COUNTY OR DISTRICT	Algoma	Dufferin Dundas Durham Elgin Essex	Frontenac Glengarry Grenville Grey	Haliburton	Kent

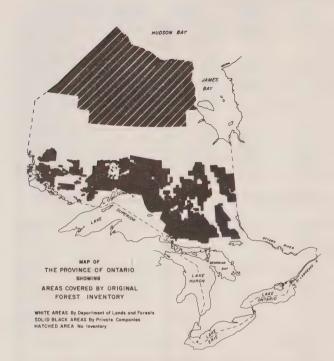
Lincol	incoln	57,025	28,925	79,150	53,050	31,900	52,650	513,550
Middleser	Manitouline	01,325	50,375	009,89	29,600	21,625	27,775	1,049,550
Miskoka	000000000000000000000000000000000000000		288 150	274,440	287,925	265,275	240,575	2,476,775
Nipissing	ing		91,175	270 06	200,000	6786107	121,600	3,894,625
	0		0 24 6 4 /	00000	07,000	066, 40	6/7,76	000,007,1
Norfolk	K	312,200	317,125	289,150	273,050	249,325	230,625	2,757,700
Northu	Northumberland	317,650			131,900			2.830.725
Ontario	000000000000000	675,075			459,625		348,075	5.168.475
Oxford	0xford	146,925		146,750	101,125		203,075	1,421,650
Parry	Parry Sound	556,375			280,225	235,850	262,325	5,613,175
Peelesses		353.275	414 050	200 005		27/ 050		
Perth.		157,150	53,550	46.625	64,000	070,070	276,173	4,340,225
Peterb	Peterborough	162,725	123,700	128,675		142,175	112 650	1 721 800
Presco	Prescott	75,500	747,025	221,025		63,300	79 225	1,734,090
Prince	Prince Edward	21,350	51,525	37,325	24,075	14,525	49,150	269,600
Rainy River	River	179.700		146.000	00 800	71 250	72 145	013 000
Renfrew	W	386,675	389,875	458,150	391,550	288,550	252,575	3 433 150
Russell	I	150,400		78,700	5,200	108,250	139,075	803,975
Simcoe		1,444,225	-	321,350	516,525	700,325	1,326,350	12,737,995
Stormontee	H.C	000 6 67		51,575	91,600	56,575	75,500	468,900
Sudbur	Sudbury	111,425	169,700	121,875			167 200	1 243 750
Thunde	Thunder Bay	254,850	271,075	315,975	188,750	184,550	682,230	1,667,805
Timiskaming	aming	23,450	17,700	28,075			23,900	257,875
Victoria	13.0000000000	168,175	129,800	138,450			72,275	1.402,200
Waterloo		248,525	176,975	181,650		150,625	218,675	2,178,100
Wellan	Welland	138,550			205,975	259,500	184, 225	1.592.550
Wellington	gton	525,100				442,800	380 800	2 250 575
Wentworth.	rth	348,650	315,700	257,825	205,350	216.675	284.950	2,686,250
York		785,325			592,675	613,450	538,700	6,814,330
TOL	TOTAL	13,809,125	13,708,050	11,505,775	9,597,300	9,016,400	10,791,980	124,614,170

FUKEST AREAS MANAGED BY THE MINISTER as of March 31, 1965

NUMBER OF ACRES

			NUMBE	R OF ACRES
		ate of	Added during	
CONSERVATION AUTHORITIES	Agı	reement	1964 - 65	Total
Ausable River	Dec.	13, 1951		4, 249, 00
Big Creek Region	Dec.	2, 1954	487.00	3, 125. 90
Catfish Creek	Dec.	19, 1962	100,00	501,00
Central Lake Ontario	Sept.	24, 1963	200100	145, 00
Crowe Valley	Aug.	21, 1963		200.00
	Jan.	31, 1947	154, 00	8, 132, 60
Ganaraska Region	Mar.	18, 1952	150.00	5, 433. 06
Grand Valley	May	15, 1958	100.00	1, 256, 70
Lakehead Region	Aug.	12, 1964	300.00	300.00
Lower Thames Valley	Apr.	1, 1955	500.00	949, 00
Maitland Valley				1, 878.00
Metropolitan Toronto and Region	Apr. Nov.	11, 1951 28, 1951	863.00	13, 438. 00
Moira River	Oct.	28, 1954	000.00	6, 145. 00
Napanee Valley	June			186, 00
Niagara Peninsula		6, 1963 25, 1958	995, 00	5, 833, 00
North Grey Region	June	15, 1963	415.00	1, 215. 00
Otonabee Region	May	26, 1957	175.00	1, 435. 00
Otter Creek	Apr.	20, 1957	184.00	2, 102. 00
Sauble Valley	Sept.	29, 1959 15, 1952		11, 343. 00
Saugeen Valley	Dec.	10, 1902	814, 00	366. 50
South Nation River	Mar.	28, 1960	140.00	12, 50
Spencer Creek	Oct.	19, 1962	00.00	
Upper Thames River	Apr.	11, 1951	20,00	3, 364, 36
Sub-Totals			4, 797. 00	71, 610. 62
COUNTIES		15 1050		FO 00
Brant	Nov.	15, 1952 20, 1950	000 00	50, 00
Bruce	Jan.	20, 1950	300.00	15, 453. 35
Carleton	July	30, 1964	680.00	680, 00
Dufferin	Nov.	26, 1930		2, 305. 00
Grey	Dec.	21, 1937	100.00	8, 278. 08
Halton	Mar.	14, 1950	53, 00	1, 298. 63
Huron	Nov.	27, 1950		1, 439. 00
Kent	Dec.	23, 1953		75. 39
Lanark	July	5, 1940		3, 346. 00
Leeds & Grenville	Apr.	24, 1940	200.00	6, 264. 50
Lennox & Addington	Apr.	3, 1952		1, 186, 00
Middlesex	Mar.	8, 1954	100.00	1, 119. 50
Northumberland & Durham	June	10, 1924		4, 877. 00
Ontario	July	9, 1930		2,000.00
Oxford	Sept.	1, 1950		716. 56
Prescott & Russell	Mar.	15, 1937		23, 485. 83
Renfrew	Dec.	26, 1951 19, 1925 20, 1949	1, 551. 00	5, 983. 00
Simcoe	June	19, 1925	265, 00	18, 969. 04
Stormont, Dundas & Glengarry	Sept.	20, 1949		2, 048. 45
Victoria	Aug.	10, 1928		7, 044. 00
Waterloo	Apr.	17, 1950		710.48
Wellington	June	18, 1964	1, 100, 00	1, 100.00
Wentworth	Nov.	27, 1952		889. 30
York	Mar.	27, 1924	157.00	4,074.08
Sub-Totals			4, 506.00	113, 393, 19
TOWNSHIPS				
Bonfield	Apr.	1, 1952		60,00
Charlottenburgh	Apr.	1, 1955		175, 00
Cramake	Jan.	14, 1964		162, 00
Cumberland	May	29, 1952		808, 44
Darlington	Aug.	19, 1964	140, 00	140,00
Galway & Cavendish	Nov.	1, 1952	519.00	619.00
Machar	Dec.	30, 1963		90.00
Marlborough	Nov.	21, 1953		200.00
Mosa	July	16, 1964	72.00	72.00
Torbolton	Mar.	28, 1953		430, 80
Williamsburgh	Oct.	19, 1962		400,00
Sub-Totals		.,	731.00	3, 157, 24
TOTALS			10,034,00	188, 161, 05
			,	,, 00

NEW POLICIES
>

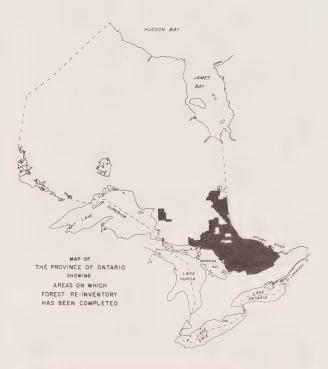


### SILVICULTURE SECTION

The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.

A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.



The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By March 31, 1965, approximately 137, 200 square miles had been rephotographed, and detailed forest stand data had been obtained on 35, 137 square miles.

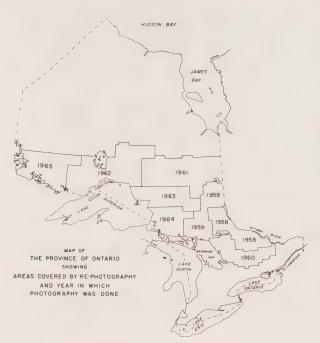
With accurate forest data for Crown Management Units, it is possible to prepare plans for the organization and orderly utilization of the forest - a more intensive level of management than previously was possible. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in ten-, and twenty-year periods, a licensee can be shown and assured of his future wood supplies.



The plans of Company Management Units are prepared  $\mathbf{t}_{J}$  the company from its own data. The Department checks the area and volume calculations and, when satisfied, recommends the acceptance of the plans.

The program of tree planting, seeding, and stand improvement is to maintain the productivity of Crown lands. Thus, a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.

The silviculture program includes tree planting, direct seeding (both from helicopters and on the ground, using various seeding devices), thinning of young stands, pruning selected crop trees, girdling or poisoning of unwanted trees, and aerial spraying of stands to release young trees.



	MANAGEMENT UNIT	S as of March 31st	
Year	Company	Crown	Total
1954	36	87	123
1955	36	81	117
1956	39	82	121
1957	41	80	121
1958	43	81	124
1959	48	77	125
1960	101	72	173
1961	79	76	155
1962	79	78	157
1963	77	79	156
1964	75	81	156
1965	71	81	152

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

1964 1965			6,165 8,728 97	1,973 1,902 3,088 3,666	352 181		31 19,047 923 1,047	664 2,463	36,534 58,889
1963 19			6,768 2,595 66	2,286 3,111 Discontinued	1,496	3,182 6	7,465	•	32,311 36
1962	1,035	2,263	12,053	583 4,870 509	2,810	2,754	1,498	•	32,281
1961	4,247		5,208	1,158	2,525	2,912	3,328	•	24,628
1960	8,824	•	1,745	225	•	2772	406	•	12,227
1959	00046	:	2,507	550		•	• •	•	20,619
1958	6,704	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6,980	2,225	1.510		• •	•	21,476
Operations	Scarification and other site preparation	Scarification with cone scattering or seeding	Cleaning and clearing	Prescribed burning	Amas Tree Culture	Girdling, Frilling and Poisoning.	free Marking	Der Yard improvement	21.476

TREES PLANTED ON CROWN LANDS in years ending March 31st

DISTRICT	1960	1961	1962	1963	1964	1965	1955-65
Avlmer	70,598	97,633	104,458	145,362	208,345	178,490	1,959,598
Chapleau	3.037.004	3,568,850	2,691,500	3,538,120	3,401,050	4,541,825	24,895,089
Cochrane	1,176,842	2,077,248	1,547,250	1,786,000	1,830,000	2,107,400	13,360,320
Fort Frances	555,939	993,000	418,946	1,204,100	1,201,300	1,511,400	7,819,750
Geraldton	1,112,500	1,816,450	1,144,650	1,851,785	3,024,070	2,656,110	12,834,385
	0 0 2 2 2 0 0 0	3 383 400	3 605 575	4 210 025	2 818 075	3 938 300	20 555 672
uogama	7 015	53 950	15 025	51 000	18 500	41.540	362.940
Kanliskasing	1.237.600	1.308.759	1.214.400	1.216.275	1.443.500	2.047,000	10.664,159
Kemptville	104,967	170,077	114,406	73,295	58,040	87,795	926,135
Kenora	453,800	518,612	479,206	369,900	1,080,600	463,600	4,388,928
Lindsav	694.397	829.392	606.987	489.700	542,090	846,359	6,644,605
Manuel	468,273	504,163	580,445	263, 293	168,067	61,475	3,668,793
North Bay	703,111	1,051,694	828,806	643,000	849,000	957,800	6,199,401
Parry Sound	908,050	1,142,080	599,111	545,165	364,948	639,380	8,031,512
Pembroke	771,835	1,139,875	1,260,236	1,207,022	1,374,600	1,628,595	11,257,876
Port Arthur	953.600	1.960.575	1.702.275	1,491,800	2.015.000	1.603.000	12,510,976
Sault Ste. Marie	2.760,000	3,534,145	3,682,390	3,828,956	3,402,885	3,922,200	26,080,908
Sioux Lookout	225,796	300,000	211,700	141,200	250,400	590,100	2,154,196
Sudbury	1,643,147	2,374,314	1,840,889	1,890,525	1,759,337	2,528,720	13,421,526
Swastika	1,402,721	1,925,343	2,124,903	2,246,795	1,633,068	1,950,057	14,295,652
Tweed	1,075,653	1,268,600	938,010	912,000	1,356,050	1,034,000	9,481,697
White River	1,130,000	1,575,125	699,050	905,500	954,350	384,000	6,409,725
						1 1 1	
TOTAL	23,448,118	31,564,608	26,602,720	29,091,021	30,754,175	33,719,146	221,330,231
Trees Planted	:					9	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

263,440,948

38,100,461

34,752,240

33,958,451

31,666,530

35,630,393

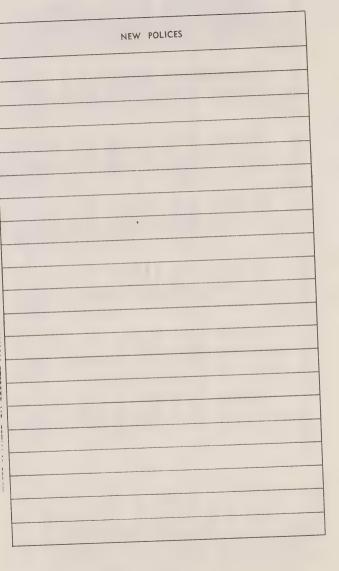
27.562,247

By Department

# TREES PLANTED ON FORESTS MANAGED BY IHE MINISIEK in years ending March 31st

VIII GOURTIA TOTAL	1960	1961	1962	1963	1964	1965	1955-65
CONSERVATION AUTHORITY				002 677	125 550	399.000	2,190,835
Accept to Divor.	284.200	254,360	270,500	442,500	130,000	32,500	357,925
Ausanie Aiver	25,800	22,600	23,500	115,300	24, 67	26,000	114.500
DIR CIECE NESTON				32,500	40,000	20,000	82,000
Catfish Creek				000.69	14,000		
Central Lake Ontario	•				•	24,750	06/, 47
Crowe Valley				242 000	127,500	128,000	2,392,500
Ganaraska Region	257,950	376,500	2/3,500	200,000	101 600	63,900	2,433,450
Canal Vollow	230.950	502,250	392,400	256,500	200,101	2000	193,000
orand variety	11,500	000.09	80,000	40,000	•	000 201	309 305
Lakenead Keglom	2000	62,500	13,000	8,400		127,900	740 450
Maitland Valley	000,07	130,150	120,300	67,000	51,100	19,300	740,430
Metro Toronto & Region	000,77	107,701	242,500	217,000	307,000	226,650	1,440,950
Moira River	96,200	175,200	744,000	30,000		21,000	71,000
Nanange Vallev				000,000		20,000	20,000
Ningara Peningula	•	• • • • • • • • • • • • • • • • • • • •		• • • • • • • • • • • • • • • • • • • •	300	87,250	908,245
Makala Lening	94.800	169,000	214,700	1/2,1/0	70,040		23,200
North diey negrousses	3 200	13,000	000°9	1,000	• ( • )		117,100
Ofter Creek	0000	000 00	0000	•	11,500	7,500	2016.710
Sauble Valley		174,000	473,600	115.850	185,050	170,975	1,956,825
Saugeen Valley	200,300	137,000	125,000	21,000	16,000	52,000	214,000
South Nation River		• • • • • • • • • • • • • • • • • • • •	70,100	40,000	36,500		605,000
Inner Thames River	21,600	20,600	001,0/	200601	040 /45 5	1 412 025	14 396 635
SIR-TOTAL	1,268,500	2,027,260	2,263,900	1,965,020	1,156,250	1,414,040	200101011
TOWNSHIP							51.375
Channle	41.200		• • • • • • • • • • • • • • • • • • • •	•	•		35,250
Charlottenhiroh		25,000	•	•	•	10 000	10,000
Chamabo			•	•	•	2 275	66.375
C. amanic		•	• • • • • •	• • • • • • • • • • • • • • • • • • • •	• • • • • •	6,000	0 725
Cumpel Land		•					02,00
Tall to the state of the state	18.775	12.025				40,000	45,000
Galway, Cavendian	20101					42,000	300,000
Machar	27 000	4 475	17.000	90,550	10,000		270,042
Marlborough	20,000		50,500	62,000		20,000	100 000
Torbolton	20,000				100,000	20,000	120,000
Williamsburgh	127 475	41.500	67,500	152,550	110,000	140,875	1,120,025
SUB-101AL	2011						

14,110,11	4,581,515	3,998,065	4,867,430	5,063,860	4,065,785	4,114,129	T0TAL
24,522,111	2,286,565	2,072,865	2,028,780	2,582,460	1,997,025	2,708,154	SUB-TOTAL
271 003 70					11,940	000,01	York
2226440	77,400	008,9	38,500	126,800	74 250	10 500	Wentwortn
522,550	30 400	0000,7	12,000	12,000	55,700		merring com-
548,400		003 6					Wellington
29,950	29.950		222644	00961		000°56	Water100
324,950		4.500	11,500	7 250	00,110	158,775	Victoria
1,104,047	44,500	64,750	185,000	219,250	95 A75	200,000	and Glengarry
1 102 047	150,300	93,650	78,000	196,500	105,000	000 77	Stormont, Dundas
0 0 0 0					770,000	242,500	Simcoe
0,044,140	398,475	540,200	349,400	433,000	102,500		Renfrew
2 0044 145	420,000	340,000	283,000	380,000	40,000	T,0/0,1	Prescott & Russell
1,556,400	770,000	405,365	315,800	239,500	767,600	1 002 030	OXFORG
7 544 456	11,000		10,000	25,100	44,000	37,000	Ontar10
105 250	4,800	8,000	3,500	100,600	12,000	84 500	and Durham
914,100	110,000	147,500	172,000	136.200	04 500	010	ž
				7000	000,0	19,350	Middlesex
186,450	22,500	8,000	30,500	20,000	000,21		Lennox & Addington
214,500	3,600		114,000	20,500	10,000	226,000	Leeds & Grenville
1,991,450	265,200	185,000	152,000	146 700	103,000		Lanark
765,775	269,000	78,000	118.750	34 250			Kent
21,200	4,000		0 4 6 6	00,010	85,700	72,000	Huron
571,225	25,095	98,500	31,100	00,000	4,500	26,500	Halton
254,950	61,000	1.800	21,650	30,700	000,04	187,799	Grev
1,408,929	29,950	45,300	69,480	212,300	1,300	33,500	Dufferin
86,100	3,000	8,000	12.600	3 000			Carleton
110,000	110,000				2004//	000 10	Bruce
928,050	54,900	35,000	19,500	140.700	000 00		Brant
11,950			200				
C L							COUNTY
2,071,880	541,850	658,950	721,080	150,000	:	•	National Capital Commission



### TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Three types of licences are issued:

- "District Cutting Licences" small short-term sales which are administered entirely within a particular District.
- (2) "Licences to Cut Crown Timper" this is the most common type of tendered sale; it runs for an average of three years.
- (3) "Licences to Cut Crown Timber approved by Order-in-Council" - these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

The supervision of scaling procedures throughout the Province is the responsibility of the Branch including the setting of scaler's examinations and the issuance of licences to scalers who are then qualified to measure Crown timber and make scaling returns for the calculation of Sturppage Charges.

Statistics are compiled on the volume and value of forest products harvested from Crown lands. A Directory of Primary Wood-Using Industries in Ontario has been compiled and is maintained. Monthly marketing reports are published. Forest products and mill licensing has been delegared to the District offices who report annually on the volume produced by each mill.

Reports are prepared describing torest industry opportunities in specific localities in the Province in co-operation with other Provincial Departments and the Federal Government to provide information for prospective investors in forest products manufacturing.

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

15,146 11,563 15,003 13,802 9,418 12,547 16,057 11,860 234 197 5,77 139 18,522 6,299 5,753 6,679 8,933 5,808 16,674 26,272 6,299 28,645 108,859 31,644 26,212 78,964 25,8175 85,604 108,859 31,642 30,550 25,64 26,678 174,652 134,310 207,318 251,831 155,873 12,376 1,951 1,185 1,951 1,546 1,976 1,	SPECIES	1946	1947	1948	1949	1950	1921	1952	1953	1954	1955
15, 146 11, 563 15,003 13,802 9,418 12,547 16,057 11,800 126,577 139 180 126 5,729 8,933 5,808 8,933 5,808 81,644 55,721 78,964 85,545 81,862 58,175 85,604 108,859 81,644 193,286 125,614 26,239 13,4310 207,318 251,831 155,873 112 193,286 188,645 208,678 174,652 134,310 207,318 251,831 155,873 112 17,727 1,185 1,951 1,546 719 6,303 6,679 7,892 8,623 3,043 1,572 1,797 2,053 2,499 1,976 2,361 3,592 3,043 1,577 1,185 1,020 1,575 1,061 1,148 1,1	TWOODS								1		74 002
77 7 7 139 77 7 139 5,464 5,272 6,299 5,753 6,679 8,933 5,808 62,712 78,964 85,545 81,862 58,175 85,004 108,859 81,644 30,550 25,614 26,318 174,652 134,310 207,318 251,831 155,873 11 193,286 188,645 1,746 1,746 108,719 10 10,77 11 12,873 11 1,527 1,797 2,053 2,499 1,976 2,361 1,376 1,308 6,087 14,190 11,576 13,653 6,036 12,478 1,577 1,577 1,577 1,577 1,577 1,577 1,577 1,577 1,166 1,530 1,577 1,577 1,577 1,578	] S 3 压。。。。。。	15,146	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	738
62,772 78,964 85,545 81,862 58,175 85,004 105,539 31,567 34,334 34,562 30,550 25,614 26,315 130,475 10,475 10,452 134,310 207,318 251,831 155,873 112 193,286 188,645 208,678 17,465 134,310 207,318 251,831 155,873 112 12 12 12 12 12 12 12 12 12 12 12 12	dar	5 462	5.731	5.272	6,299	5,753	6,679	8,933	5,808	4,368	81,779
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 1,577 1,102 1,577 1,102 1,577 1,102 1,577 1,102 1,577 1,102 1,577 1,102 1,577 1,102 1,577 1,102 1,577 1,102 1,575 1,061 1,148 1,148 1,187	nlock	62,712	78,964	85,545	81,862	58, 175	30,604	34,334	34,562	27,612	30,528
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 1,570 1,797 2,053 2,499 1,976 2,361 3,592 1,572 1,067 1,186 1,148 1,145 1,335 1,572 1,061 1,148 1,145 1,335 1,335 1,672 1,775 1,061 1,148 1,145 1,335 1,335 1,673 1,780 23,807 1,976 1,184 311,845 342,951 308,761 234,998 343,530 424,936 293,352 1,628 21,679 21,780 23,807 16,628 23,231 36,398 28,483 11,648 1,145 1,145 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,635 1,638 1,848 1,349 1,341,835 1,648 1,845 1,9	and W Pine.	30,550	25,614 188,645	26,315	30,459	134,310	207,318	251,831	155,873	163,447	175,666
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 1,527 1,797 2,053 2,499 1,976 2,361 3,592 3,043 6,087 14,190 11,576 13,653 6,036 12,478 1,539 1,577 1,570 1,652 1,054 1,166 5,88 1,530 1,577 1,060 1,755 1,061 1,148 1,145 1,335 1,368 1,530 1,335 1,368 1,530 1,335 1,368 1,530 1,335 1,577 1,061 1,148 1,145 1,335 1,335 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,335 1,679 1,334 1,518 1,485 1,679 1,334 1,568 1,500,727 1,670 1,334 1,518 1,35 1,688 1,590 1,500	marack	7	1.185	1,951	1,546	719	673	4,677	3,396	2,354	3,001
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 3,043 1,527 1,797 2,653 2,499 1,976 2,361 3,592 3,043 3,592 1,027 1,576 13,653 6,036 12,478 22,049 14,572 1,652 1,020 1,652 1,064 1,148 1,145 1,335 9,64 1,530 1,755 1,061 1,148 1,148 1,145 1,335 9,68 1,530 1,577 12,628 21,679 21,780 23,807 16,628 23,731 36,398 28,483 12,628 21,679 31,751 31,845 32,558 250,727 366,761 461,334 321,835 110,428	hers				•	•	•	•	•		
3,214 4,092 4,764 5,541 6,303 6,679 7,892 8,623 1,527 1,527 1,797 2,053 2,499 1,797 2,361 3,592 3,592 3,043 1,527 14,190 11,576 13,653 6,036 12,478 22,049 14,272 1,020 1,652 1,064 1,166 1,148 1,145 1,335 1,577 1,576 1,061 1,148 1,145 1,335 1,577 1,368 1,530 1,577 1,568 1,568 1,540 1,577 1,568 1,540	RDWOODS									1	702 1
308,184 311,845 1,755 1,061 1,148 1,145 1,335 968 1,061 1,148 1,145 1,335 968 1,061 1,148 1,148 1,145 1,335 968 1,061 1,148 1,148 1,145 1,335 968 1,061 1,148 1,14	rch	3,214 1,527 6,087	4,092 1,797 14,190	4,764 2,053 11,576	5,541 2,499 13,653	6,303 1,976 6,036	6,679 2,361 12,478	7,892 3,592 22,049	8,623 3,043 14,272 1,577	2,207 15,756 1,293	2,265 12,955 1,802
308,184 311,845 342,951 308,761 234,098 343,530 424,936 293,352 12,628 21,679 21,780 23,807 16,628 23,231 36,398 28,483 320,812 333,524 364,751 332,568 250,727 366,761 461,334 321,835 rt levy not included)	elwood	836 964	1,020	1,052	1,061	1,148	1,145	1,335	896	691	552
308,184 311,845 342,951 308,761 234,098 343,530 424,936 293,532 12,628 21,679 21,780 23,807 16,628 23,231 36,398 28,483 320,812 333,524 364,751 332,568 250,727 366,761 461,334 321,835 rt levy not included)	TALS								610	307 700	300 724
10,428 10,128 10,428 10,428	ftwoods	308,184	311,845 21,679	342,951 21,780	308,761 23,807 332,568	234,098 16,628 250,727	343,530 23,231 366,761	424,936 36,398 461,334	28,483 321,835	28,536	25,081 334,806
: levy not included)	11 Species	340,046	2000		•				10.428	10,756	11,473
	Total Value		included)	:	•	•	0 6 0 0 0 0				

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

Salvada	1956	1957	1958	1959	1960	1961	1962	1963	1964
SECTED									
COETWOODS									
200 1 100			010	10 000	12 051	4.766	12,316	11,174	10,219
Balsam	14,374	13,766	12,213	006 01	2000	331	341	105	182
Cedaressesses	459	284	711	097	1 100	2 780	2 429	1.841	3.032
Hom lock	5.321	5.050	2,567	3,046	2,700	2000	10000	70 495	82 239
To The Diego	86 664	266 66	78.225	68,415	78,243	100,01	00601	0000	7076
Jack Fine	00000	021 7	4 989	3.581	6.188	5,037	2,291	670 0	0,440
Red Pine	8,070	0,130	20,00	18 025	22,300	19,150	17,606	21,930	24,409
White Pine	25,609	1/1,07	100 000	157 544	186 920	191,047	178,063	182,327	183,756
Spruce	205,320	207,392	180,000	10, 101	90 24 007	75	36	39	28
Tamarack	102	26	04	2.5	2 "	_	_	_	
Xmas Trees	2.401	2,536	2,359	2,338	1,525	1,476	908	827	452
1									
HARDWOODS			C	67	83	100	29	100	95
Ash	42	46	7/	000	376	707	250	434	575
Basswood	434	295	274	519	200	404	17.0	278	483
Dogob	138	160	136	131	5/2	585	0 7 7	2000	3.732
Dee Che	447	1.314	1.458	1,339	1,426	1,784	1,754	2,293	8 063
willte blich	000	6 312	7.173	6.165	7,397	6,972	6,925	8,844	20110
Yellow Birch	0,770	24060	4	-40	7	7	2	7	3 (
Butternut		CV 0	12+	, rc	27	26	20	18	77
Cherry	14	07,	44.0	106	256	261	274	286	/97
Elm.	194	100	727	2 / 30	000	787	5.212	6.537	7,649
Maple	4,441	3,989	4,261	0,00%	177	230	207	276	355
Oak	103	109	155	171	1/1	707 01	21 256	22.907	25,995
Poplar	16.921	19,244	20,202	17,729	19,775	10,000	701 1	1 1 27	1,162
Fue Iwood.	1,813	1,982	1,532	1,630	1,219	1,202	1,100	20161	
TOTALS						011	200 000	200 758	310.765
Softwoods	348,352	361,424	301,390	264,253	312,292	26 503	37 707	43,092	49,300
Hardwoods	31,536	33,630	35,448	31,555	33,847	247 113	225,601	345,850	360,065
All Species	379,888	395,054	336,838	295,608	348,140	017, 170	4000000	1000	12 473
Total Value	12,039	13,363	11,412	10,155	11,824	12,048	11,229	160621	) a t
(\$000's, export	rt levy not	(papnloui ;							

TIMBER CUT IN DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1964

Value	\$ 504 1,132 1,700 1,921 916 916 7 7 7 7 7 7 7 7 7 7 7 89 262 7 619 619 619 354 354 358	
Bonus	\$ 46 163 166 132 45 279 132 140 140 151 366 60 60 96	
Dues	\$ 458 969 1,568 1,568 1,642 784 45 360 856 396 396 559 365 365 365 365 365 365 365 365 365 365	
†Xmas Trees	500 200 200 200 200 200 200 200 200 200	Scale.
Total Volume	18,767 33,561 13,879 57,424 4,891 55,839 28,497 2,165 15,824 5,427 15,824 15,824 15,571 15,571 15,155 10,393 10,386 11,877	All Includes Dovle Scale.
(d) Misc.	861 122 123 458 415 5 5 77 10 361 361 361 71	(d)Inc
Fuel		
Pulp	8,389 26,277 10,540 862 33,422 27,114 4,415 2,560 11,131 14,580 6,549 6,549 8,529	
*Boom	15 15 16 26 26 26 27 7 7 7 7 174 179 119 119 117 117 117 117 117	
-	9,004 4,133 3,263 3,263 2,1792 817 2,767 2,767 6,029 3,288	
Ontario	1,316 2,127 2,753 2,753 1,571 1,571 12,229 4,419 12,616 12,616 13,912 3,861 1,773 13,103 3,665	
Permits	98 432 247 137 31 325 406 48 107 107 291 1128 179 252 312 199	
	Chapleau	

<sup>\*</sup>Includes piling, poles, dimension timber.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

Stumpage Value	\$10,756	12,191 13,514 11,565 10,297 12,282 12,182 11,297 11,297 12,091 12,506
Bonus	\$2,175	2,577 2,577 2,577 2,577 2,786 2,787 2,780 2,780 2,780 2,880 2,780 2,800 2,800
Dues	\$8,581 9,135	9,619 10,740 8,987 7,950 9,493 8,775 9,302 9,658
tXmas Trees	27	4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Total Volume	315,141	379,888 395,054 336,838 295,608 348,140 347,112 325,601 345,850
(d) Misc.	26,840 8,114	826 1,290 1,836 2,038 1,146 1,695 3,195
Fuel	3,647	4,214 4,517 3,891 3,968 2,744 2,678 1,965 1,614
Pulpwood	225,659 245,988	262,146 289,985 245,161 246,493 232,744 233,782 237,423 231,301
*Boom Timber	2,378	2,259 2,781 2,786 2,796 3,499 2,720 1,474 1,267 1,524
Sawlogs	12,119	33,326 27,967 22,967 28,687 28,795 52,303 30,001 56,368
Ontario	46,025	77, 087 73, 986 55, 938 51, 470 64, 571 55, 521 63, 647 65, 647
Permits Issued		55,403 57,192 57,192 57,051 57,096 57,114 57,534 57,114
Year	1954	1956 1957 1958 1958 1960 1961 1963 1963

(d)Includes Doyle Scale.

† Number of trees in 000's.

\*Includes piling, poles, dimension timber.

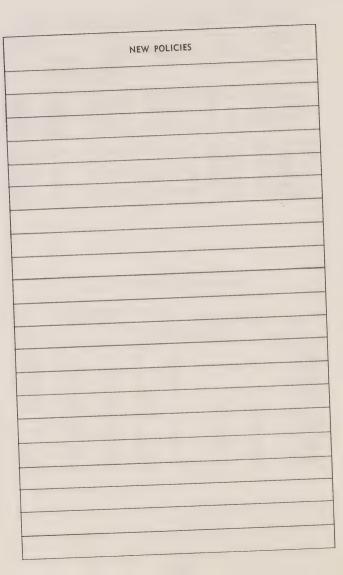
TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1955 1956 1957 1958 1959	748 604 586	6,435.50 6,140.05 6,600.65 6,354.80 4,520.62	85,075.40 88,273.71 89,952.49 98,149.46 99,612.16	170.26 200.94 181.33	91,532.00 94,585.02 95,754.08 103,685.59 104,332.68
1960 1961 1962	573 569	4,206.22 3,647.71 3,563.07	99,818.60 99,103.39 99,347.87	186.98 137.79 154.26	104,211.80 102,888.89 103,065.20
1963 1964 1965	562	3,102.08 2,556.89 2,564.98	97,830.82 99,679.49 103,347.49	152.36 18.20 4.90	101,085.26 102,254.58 105,917.37

### MILLS LICENSED as of March 31st

		lls (Dail 00's fbm	Ven-	Spec-			
Year	to 10	10-50	50 up	Pulp	eer	ialty	Total
1955	1,120	159	58	29			1,366
1956	1,115	162	59	29	• •		1,365
1957	1,120	160	5.7	29			1,366
1958	1,124	158	57	29			1,368
1959	1,120	135	54	29			1,338
1960	646	129	23	24	• •	• •	822
1961	668	121	27	24			840
1962	797	118	- 36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26 .	28	97	1,030

NEW POLICIES
,



### COMMITTEES

### COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

### FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research

Advisory Comm for Lake Huron Fisheries Research

Advisory Comm for the Harkness Lab for Fisheries Research Advisory Comm for the Lab of Experimental Limnology

Atlantic Flyway Council --- Technical Comm

Conservation Council of Ontario

Fed-Prov Advisory Comm --- Resources Development Agreement

Fed-Prov Comm for Ontario Fisheries

Fed-Prov Comm on Forestry Research

Fed-Prov Prairie Fisheries Comm

--- Sub-Comm on Marketing

--- Sub-Comm on Vessel Assistance

Fish and Wildlife Advisory Comm to Ontario St. Lawrence Development Commission

Great Lakes Deer Group

Great Lakes Fishery Commission --- Committees on: --

--- Management and Research

--- Sea Lamprey Control

--- Finance

--- Lake Erie Fisheries

--- Lake Huron Fisheries

--- Lake Ontario Fisheries --- Lake Superior Fisheries

Interdept Comm on Commercial Fishing and Gas and Oil Exploration Interdept Comm on Wildlife Management Research (Joint Comm:

Guelph University, Dept of Agriculture, Dept of Lands and Forests)

International Association of Game, Fish and Conservation Commissioners --- Research Comm

Midwest Pheasant Council

Mississippi Flyway Technical Comm

Ontario Forest Ranger School Advisory Council

Ontario Humane Society --- Comm on Private Zoos

Ontario Waterfowl Research Foundation --- Scientific Advisory Board

Water and Pollution Advisory Comm to Ontario Water Resources Commission.

### FOREST PROTECTION BRANCH

Canada-Ontario Advisory Comm on Forestry Research Canadian Council of Resource Ministers --- Advisory Comm Canadian Govt Standards Board --- Comm on Forest Fire Hose Canadian Institute of Forestry --- Youth Training Canadian Standards Association --- Comm on Forest Fire Hose Conservation Business Management Association Conservation Council of Ontario

National Fire Protection Association --- Forests Comm National Research Council --- Associate Comm on Forest Fire Protection

North American Forestry Commission --- Fire Control Working

Ontario Forestry Association --- Forest Fire Prevention Comm Ontario Govt Comm on Pesticides

Ontario Shade Tree Council --- Technical Comm.

### LANDS AND SURVEYS BRANCH

Advisory Council on Cadastral Surveys (Canada) Canadian Permanent Comm on Geographical Names Conservation Council of Ontario

--- Pollution Comm

--- Land Use Comm

Co-ordinating Comm on Studies of Northern Ontario Water Resources (Ontario-Canada)

Great Lakes Institute --- Great Lakes Study Group International Boundary Commission

International Great Lakes Levels Board --- Shore Property Sub-Comm

International Hydrological Decade

Interprovincial Boundary Commissions

Lake of the Woods Control Board

Mining and Access Roads Comm

Ontario Professional Foresters Association --- Vocational Guidance Comm

Ottawa River Engineering Board Private Lands Liaison Comm

Public Agricultural Lands Comm

Water Front Technical Comm (under Metropolitan Toronto)

Water and Pollution Advisory Comm to Ontario Water Resources Commission.

### LAW BRANCH

Fed-Prov Advisory Comm on Resources Management.

### OPERATIONS BRANCH

American Association for Conservation Information Canadian Association of Purchasing Agents

Canadian Public Relations Society --- Seminars Comm on Management

Centennial Project Comm (Ontario)

International Association of Game, Fish and Conservation Commissioners --- Land Resources Comm

International Order of Hoo-Hoo, Toronto Club No. 53 --- 3rd Vice-Pres

International Rescue and First Aid Association --- Past Pres. Board of Directors, 1966 Convention Chairman

National News Week (Toronto Men's Press Club) --- Vice Chairman

North American Conservation Hall of Fame --- 1st Vice-Pres Ontario Society of Safety Engineering --- Board of Governors Records Management Comm (Ontario) Records Retention Comm (Ontario) Sheridan Park Parks Commission --- Parks Commissioner.

### PARKS BRANCH

American Institute of Park Executives --- Revenue Sources Comm Canadian Institute of Forestry

The Canadian Red Cross Society, Ontario Division --- Water Safety Advisory Comm

Council of Girl Guides of Canada Fed-Prov Parks Conference

1-Prov Parks Comerei

--- Research Comm
--- Education Comm

--- A. R. D. A. Comm

Federation of Ontario Naturalists --- Regional Vice-Pres National Conference on State Parks --- Director

North Georgian Bay Recreational Reserve Advisory

Comm --- Chairman

Ontario Conservation Council --- Parks Comm

Ontario Parks Integration Board

Ontario Recreation Association --- Indian and Recreation Comm

Parks and Recreation Association of Canada

Quetico-Superior Joint Advisory Comm

Revision of Standards Comm for Park Planning (under Community Programs Branch)

Wasaga Beach Advisory Comm --- Chairman.

### RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research

Advisory Comm for Lake Huron Fisheries Research

Advisory Comm for the Harkness Lab for Fisheries Research Advisory Comm for the Lab of Experimental Limnology

American Fisheries Society

Canada Comm on Freshwater Fisheries Research

Canada-Ontario Advisory Comm on Forest Research

Departmental Council

Fed-Prov Great Lakes Research Comm

Great Lakes Deer Group

Great Lakes Fishery Commission

--- Advisory Comm

--- Scientific Advisory Comm

--- Sub-Comm on Lake Erie

--- Sub-Comm on Lake Huron --- Sub-Comm on Lake Ontario

--- Sub-Comm on Lake Ontario --- Sub-Comm on Lake Superior

Great Lakes Institute (University of Toronto)

Guelph University --- Dept of Agriculture --- Dept of Lands and Forests Co-joint Comm

Lake Erie Council of Commercial Fishermen

Lake Erie Fish Management Comm

Lake Ontario Fisheries Management Comm (Ontario-New York)
Midwest Wildlife Conference --- Upper Great Lakes Fishery

Commission

Mississippi Flyway (Research) Council National Advisory Comm on Forest Land

North American Wildlife Conference

Northeastern Forest Tree Improvement Conference --- Site Evaluation Comm

Northeast Wildlife Conference

Ontario Agricultural College Comm on Correlation of Soil and Site Ontario Council of Commercial Fishermen

Ontario Research Foundation ---

--- Advisory Comm on Research in Forestry

--- Advisory Comm on Research in Fish and Wildlife

--- Quality Wood Comm

Ontario Waterfowl Research Foundation --- Scientific Advisory Comm.

### TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation Comm

Canada Comm on Forest Tree Breeding

Canada-Ontario Forest Research Comm

Canadian Institute of Surveying --- Air Photo Interpretation

--- Sub-Comm on Equipment and Techniques

--- Air Photo Interpretation of Forestry and Wildlife

Conservation Council of Ontario Ontario Economic Council

--- Comm on Rural Land Development

--- Comm on Forest Based Industry

Ontario Forestry Association --- Board of Directors
--- Resources Rangers Advisory Comm
Ontario Professional Foresters Association

--- Private Lands Management

--- Forest Management

--- Practice and Ethics

--- Public Relations

Photogrametria --- Editorial Comm

Society of American Foresters

--- Forest Mensuration Group

--- U.S. Region Nine Nurserymen's Association.

### COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

### CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning Canadian Horticultural Society --- Director Ontario Professional Foresters Association --- Forest Management Planning Comm.

### COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Lands Comm.

### FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning.

### GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning Search and Rescue Unit.

### GOGAMA DISTRICT

Public Agricultural Lands Sub-Comm Recreational Land Use Planning Comm.

### KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Land Use Comm Brunetville Rehabilitation Liaison Comm Industrial Development Comm Planning Boards (Kapuskasing and Hearst) Winter Employment Comm.

### KEMPTVILLE DISTRICT

Glengarry, Prescott and Russell Counties
Cataraqui Region Conservation Authority --- Reforestation
Advisory Comm; Water Advisory Comm
Eastern Ontario Development Association
Ontario Federation of Agricultural (Leeds, Carleton)
Ontario Forestry Association --- Tree Farm Comms in Glengarry
and Lanark Counties)

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont,

Raisin River Conservation Authority

Reforestation Comms for County Councils of Leeds and Grenville; Dundas, Stormont and Glengarry; Prescott and Russell; Carleton; and Lanark

Seaway Valley Travel Council

Soil and Crop Improvement Association --- Land Use Comms for Eastern Ontario and for Leeds, Grenville, Glengarry, Russell, Stormont and Prescott Counties.

South Nation Conservation Authority

St. Lawrence Parks Commission --- Fish and Wildlife Advisory Comm.

### KENORA DISTRICT

Agricultural Lands Comm (ARDA)

Dryden Conservation Camp --- Advisory Comm Dryden High School Forestry Course --- Advisory Comm 4H Forestry Club

Kenora Joint Comm

Ontario Professional Foresters Association --- Management Planning Comm

Recreational Zoning Comm.

### LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board Big Creek Conservation Authority --- Forestry Advisory Board Catfish Creek Conservation Authority --- Forestry Advisory Board Grand Valley Conservation Authority --- Reforestation Comm Great Lakes Fishery Commission --- Advisory Comm; Lake Erie

Research and Management Comm Lake Erie Fisheries Research Advisory Comm

Lower Thames River Conservation Authority --- Forestry Advisory Board

Middlesex County Forestry Comm

Niagara Peninsula Conservation Authority --- Reforestation Comm

Ontario Professional Foresters Association --- Forest Management Comm; Chairman, Private Lands Comm

Otter Creek Conservation Authority --- Forestry Advisory Board Sydenham Valley Conservation Authority --- Forestry Advisory Board

UpperThames River Conservation Authority --- Forestry Advisory Board.

### LAKE HURON DISTRICT

Grand Valley Conservation Authority --- Forestry Advisor Huron District Woodlot Owners Association --- Forestry Advisor Huron County Reforestation Comm

Maitland River Conservation Authority --- Forestry Advisor Ontario Professional Foresters Association --- Education Comm Saugeen Valley Conservation Authority --- Forestry Advisor;

--- Fish and Wildlife Advisor

Spencer Creek Conservation Authority --- Forestry Advisor.

### LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
Camp Hendrie and Camp Hillsdale Advisory Comm (Dept of Reform
Institutions)

Canadian Institute of Forestry, Southern Ontario Section

Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board

Credit Valley Conservation Authority --- Reforestation and Land Use Advisory Board

Essa Township Conservation Comm

Lake Simcoe District Tree Farm Comm

Metropolitan Toronto and Region Conservation Authority ---Reforestation and Land Use Advisory Board

Reforestation Comms of County Councils in Simcoe, Dufferin, York and Ontario Counties.

### LINDSAY DISTRICT

Canadian Institute of Forestry --- Research Communications Comm; Forest Management Comm

Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board

Durham and Northumberland Counties --- Reforestation Comm Ganaraska Region Conservation Authority --- Forestry Advisory Board

Otonabee Region Conservation Authority --- Reforestation and Land Use Advisory Board; Wildlife Advisory Board Victoria County --- Reforestation and Soil Conservation Comm;

ARDA Comm.

### NORTH BAY DISTRICT

Agricultural Lands Comm Canadian Institute of Forestry Recreational Land Use Planning Comm.

### PARRY SOUND DISTRICT

Agricultural Land Use Comm North Georgian Bay Advisory Comm Parry Sound Anglers and Hunters Association Recreational Land Use Planning Comm (Parry Sound and Muskoka).

### PEMBROKE DISTRICT

Ontario Professional Foresters Association --- Resolutions Comm Renfrew County ARDA Advisory Comm.

### ORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead College of Arts, Science and Technology --- Forestry
Comm

Private Lands Liaison Comm Quetico-Superior Joint Advisory Comm Thunder Bay Fish and Game Association.

### SAULT STE. MARIE DISTRICT

Agricultural Comm
Ontario Professional Foresters Association --- Public Relations
Comm
Recreational Land Use Planning Comm
Search and Rescue Unit.

### SIOUX LOOKOUT DISTRICT

Agricultural Comm Batchawana Development Comm Recreational Land Use Planning Comm.

### SUDBURY DISTRICT

Lake Huron Fisheries Research --- Advisory Comm Manitoulin Island Conservation Advisory Comm North Georgian Bay Recreational Reserve Comm Recreational Land Use Planning Comm South Bay Mouth Advisory Comm.

### SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Comm.

### TWEED DISTRICT

Joint Commercial and Sport Fish Comm for the Bay of Quinte Moira River Conservation Authority --- Forestry Advisory Board Napanee River Conservation Authority --- Forestry Advisory Board

Renfrew County --- Agriculture and Conservation Comm; ARDA Comm.

### WHITE RIVER DISTRICT

Canadian Institute of Forestry Recreational Planning Comm.

### AREA AND POPULATION BY PROVINCES populations in 000°s

1961	6,236	5,259	737	598	105	458	922	925	1,332	1,629	30	18,238
1921	4,597	4,055	642	515	86	361	776	831	939	1,165	25	14,009
1941	3,787	3,331	277	457	95	•	729	895	2962	817	16	11,506
1931	3,431	2,874	512	408	80	0 0 0 0	200	921	731	694	13	10,376
1921	2,933	2,360	523	387	88	•	610	757	588	524	12	8,787
1911	2,527	2,005	492	351	93	•	461	492	374	392	15	7,206
1891	2,114	1,488	450	321	109	•	152	•	•	86	86	4,833
1871	1,620	1,191	387	285	94	:	25	:	:	36	48	3,689
ProvinceArea in Sq. Mi. Date entered Confederation	Ontario412,582	Quebec594,860	Nova Scotia 21,068 July 1, 1867	New Brunswick 27,985 July 1, 1867	P.E.I. 2,184	Newfoundland155,364 Mar. 31, 1949	Manitoba246,512 July 15, 1870	Saskatchewan251,700 Sept. 1, 1905	Alberta	British Columbia366,255 July 20, 1871	Territories**	CANADA3,845,774

\*\*Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

### HISTORICAL HIGHLIGHTS

### Ontario Departmen of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department establisted to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation, First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.
  Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated, Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E.J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established. Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region). The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management begain in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private landowners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised, Silviculture becomes the third Branch in Division of Timber, Land Use Planning Section created in Lands and Surveys.
- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.
- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.
- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.
- 1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

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Government Publications MEMORANDUM

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## REFERENCE

OF

### LANDS AND FORESTS ADMINISTRATION

1967



DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE,

G. H. U. BAYLY,



A

Covernment.

# STATISTICAL REFERENCE OF LANDS AND FORESTS ADMINISTRATION

1967

**OPERATIONS BRANCH** 



DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE, Minister G. H. U. BAYLY, Deputy Minister



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### **FOREWORD**

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1966 season and are subject to correction in the Annual Report for the year ending March 31st, 1967.

### PREMIERS OF ONTARIO SINCE CONFEDERATION

		From	To
Hon. John Sandfield			
Macdonald	July	16, 1867	Dec. 19, 1871
Hon. E. Blake	Dec.	20, 1871	Oct. 25, 1872
Hon. Sir Oliver Mowat	Oct.		July 9, 1896
Hon. A.S. Hardy		25, 1896	Oct. 17, 1899
Hon. George W. Ross	Oct.		Feb. 7, 1905
Hon. Sir J.P. Whitney	Feb.	8, 1905	Sept. 25, 1914
Hon. Sir Wm. Howard		,	• ′
Hearst	Oct.	2, 1914	Nov. 14, 1919
Hon. Ernest Chas. Drury		14, 1919	July 16, 1923
Hon. G.H. Ferguson	July	16, 1923	Dec. 15, 1930
Hon. G.S. Henry	Dec.	15, 1930	July 10, 1934
Hon. Mitchell F. Hepburn	July	10, 1934	Aug. 21, 1942
Hon. G.D. Conant	Oct.	21, 1942	May 18, 1943
Hon. H.C. Nixon	May	18, 1943	Aug. 17, 1943
Hon. George A. Drew	Aug.	17, 1943	Oct. 19, 1948
Hon. Thomas L. Kennedy	Oct.	19, 1948	May 4, 1949
Hon. Leslie M. Frost	May	4, 1949	Nov. 8, 1961
Hon. John P. Robarts		8, 1961	

### COMMISSIONERS AND MINISTERS SINCE 1827

COMMISSIONERS	AITU	V1114	DILKS	SITTOL	1027	
	F	rom	1		To	
Hon. Peter Robinson	July			July		1836
				June		1841
Hon. R.B. Sullivan	July					
Hon. John Davidson	July			Oct.		1842
Hon. A.N. Morin	Oct.			Dec.	,	1843
Hon. D.B. Papineau	Sept.	3,	1844	Dec.	7,	1847
Sir John A. MacDonald	Dec.	8	1847	Mar	10	1848
Hon. J.H. Price	Mar.			Oct.		1851
Hon. John Rolph	Oct.		1851	Aug.		
Hon. Louis V. Sicotte	Aug.			Aug.		1853
Hon. A.N. Morin	Aug.	31,	1853	Jan.	26,	1855
Hon. Jos. Cauchon	Jan.	27.	1855	Apri	1 30.	1857
Sir E.P. Tache	June					1857
Hon. Louis V. Sicotte	Nov.		1857			1858
	A.	40,	1050			
Sir. A.A. Dorion	Aug.	۷,	1000	Aug.		1858
Hon. P.M. Vankoughnet.	Aug.	7,	1858	Mar	. 18,	1862
Hon. George Sherwood	Mar.	27.	1862	May	23,	1862
Hon. Wm. McDougall	May			Mar.		1864
Sir Alex. Campbell	Mar.			June		1867
	July			July	,	1871
Hon. Stephen Richards						
Sir Matthew C. Cameron.	July	25,	10/1	Dec.	21,	1871
Sir Richard W. Scott	Dec.	21,	1871	Nov.	30,	1873
Hon. Timothy B. Pardee.	Dec.	4.	1873	Jan.	19.	1889
Hon. Arthur S. Hardy	Jan.		1889	July		1896
	July		1896	Oct.		1899
Sir John M. Gibson	Oct.		1899	Nov.		1904
Hon. E.J. Davis	Oct.	21,	1000	NOV.	22,	1304
Hon. A.G. McKay	Nov.	22.	1904	Feb.	8.	1905
Hon. J.J. Foy	Feb.			May		1905
Hon. F. Cochrane	May		1905	Oct.		1911
	Oct.	10,	1911	Dec.		1914
Sir William Hearst						
Hon. G.H. Ferguson	Dec.	22,	1914	Nov.	13,	1919
Hon. B. Bowman	Nov.	14,	1919	July	11,	1923
Hon. Jas. Lyons	July	16,	1923	Feb.	28.	1926
Hon. G.H. Ferguson	Feb.		1926	Oct.		1926
Hon. Wm. Finlayson	Oct.		1926	July		1934
Hon. Peter Heenan	July		1934	May		1941
non. Peter neenan	July	10,	1004	Way	۷١,	1011
Hon. N.O. Hipel	May	27,	1941	Aug.	17,	1943
Hon. W.G. Thompson	Aug.	17,	1943	Nov.	28,	1946
Hon. H.R. Scott	Nov.			June	3.	1952
Hon. W.S. Gemmell	June			July	7.	1954 1958
	July	7	1954	July	4	1958
Hon. C.E. Mapledoram	July	.,	_005	bary	-,	_000
Hon. J.W. Spooner	July	23.	1958	Oct.	25,	1962
Hon. A. Kelso Roberts, Q.C.			1962			1966
Hon. Rene Brunelle	Nov.					
ALOM, LUCITO DE MITORIO	1.07.	,	1000			

### DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941
G. H. U. BAYLY	1966

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

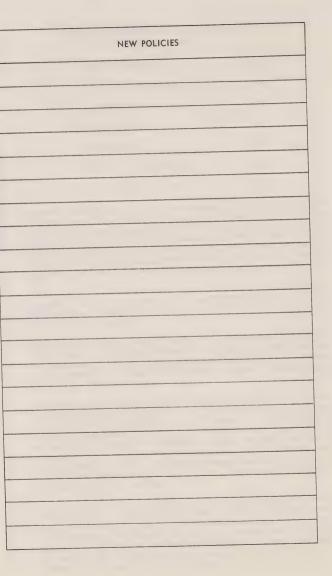
ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of ploneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B. Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

NEW POLICIES
3



### **ACCOUNTS BRANCH**

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R.R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

### **ACCOUNTS BRANCH**

Chief: R.R. MacBean

Assistant Chief: F. M. Baker

### INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES
Systems Improvement Program

### REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable Issue of Fish & Wildlife Licences, Park Permits, Timber Accounts, Land Sales · Land Tax, Rentals

### EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable Accounting Machine Operations

### BUDGET ACCOUNTING

Budget Estimates & Forecasts, Financial Reports

### LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

### GENERAL

Secretarial Department Mail Services

# LANDS AND FORESTS REVENUE AND EXPENDITURES\* in years ending March 31st

BALANCE	3,468,357.48	4,949,208.31	5,023,761.56	d-6,014,690.56
	3,083,791.53	10,006,812.65	3,666,297.69	d-5,940,207.05
	234,435.09	6,559,176.49	d-4,189,790.28	d-8,147,927.55
	d-2,934,604.05	6,430,466.63	d-4,585,644.98	d-6,187,887.03
	3,149,885.28	2,874,285.45	d-1,620,651.24	d-6,086,104.95
S Total	7,159,790.41 7,598,611.94 11,400,801.97 14,536,859.74 13,167,618.35	12,878,388.94 13,141,062.48 13,408,258.47 12,895,318.42 17,276,820.88	16,225,613.75 19,014,132.75 24,427,298.03 24,020,923.72 23,277,048.30	28,020,094.02 28,514,067.40 31,372,153.84 30,230,050.37 32,422,459.75
CASH DISBURSEMENTS Capital	116,523.23 4,623,339.12 3,326,822.18	2,196,671.93 1,654,781.54m 800,000.00 178,810.09 128,297.23	187,935.36 280,550.13 4,167,468.40p 991,022.60 234,988.32	1,413,973.51 2,934,927.69 3,557,125.18 1,562,775.74 3,893,760.12
Ordinary	7,043,267.18	10,681,717.01	16,037,678.39	26,606,120.51
	7,598,611.94	11,486,280.94	18,733,582.62	25,579,139.71
	11,400,801.97	12,608,258.47	20,259,829.63	27,815,028.66
	9,913,520.62	12,716,508.33	23,029,901.12p	28,667,274.63
	9,840,796.17	17,148,523.65	23,042,059.98	28,528,699.63
Total	10,628,147.89	17,827,597.25	21,249,375.31	22,005,403.46
	10,682,403.47	23,147,875.13	22,680,430.44	22,573,860.35
	11,635,237.06	19,967,434.96	20,237,507.75	23,224,226.29
	11,602,255.69	19,325,785.05	19,435,278.74	24,042,163.34
	16,317,503.63	20,151,106.33	21,656,397.06	26,336,354.80
CASH RECEIPTS Capital	261,865.96	3,222,682.07	367,501.40	644,158.52
	215,151.77	2,513,325.57m	490,717.96	721,351.77
	215,884.90	1,810,672.96	725,375.25	640,056.82
	677,603.32	178,810.09	807,860.60	768,852.31
	5,351,437.91	328,056.86	844,686.28	822,938.60
Ordinary	10,366,281,93	14,604,915.18	20,881,873.91	21,361,244.94
	10,467,251,70	20,634,549.56	22,189,712.48	21,852,508.58w
	11,419,352,16	18,156,762.00	19,512,132.50w	22,584,169.47
	10,924,652,37	19,146,974.96	18,627,418.14w	23,273,311.03
	10,966,065,72	19,823,049.47	20,811,710.78	25,513,416.20
YEAR	1947	1952	1957	1962
	1948	1953	1958	1963
	1949	1954	1959	1964
	1950	1955	1960	1965
	1951	1956	1961	1966

\*Years to 1947 include former Department of Game and Fisheries. Grants to Conservation Authorities in 1962, 1963 and 1964.
Water power revenue transferred to Treasury Department in 1959. d--Operating deficit. p--Parks improvements. w--Cut back in woods operation. m -- Mississagi project.

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Total	\$ 4,982,281	4,561,733	5.554.781	6,944,104	7 055 031	7,332,290	6,789,235	6,461,103	ביי ביי שני	11,396,460	11,927,678	13,556,568		14,431,008	11,565,322	13,092,417	13,406,345	617.	339,	13,729,713	893,
Misc.	49		13,240	17,651	178 302	14,744	15,704	13,777	72 361	23,211	17,673	16,583	717 00	19.893	26,869	32,041	14,660	26,661	25,067	29,239	50,713
Cash Deposits and Refunds	49	66 724	59,004	164,784		130,506*	29,195	26,954	77 850	14,373*	53,919	34,762	45 844*	51,833*	16,924	38,664*	21,102	*696*2	48,800	16,177	401.410
Protection Charges	49	436 395	419,323	461,164	456,444	440,011	1 007 662	1,010,554	1,175,776	1,052,635	945,953	1,091,659	1,041,837	1,085,027	1,057,804	1,035,464	1,003,103	1,096,639	989,233	1,153,344	
Ground Rent	**	117,396	115,299	172,061	126,875	108,934	116.642	114,197	123,366	79,832	76,234	80,786	81,098	84,468	82,255	83.074		83,903			
Crown	49	3,606,192	4,947,915	0,1/3,444	6,093,410	6,899,107	5,269,279	8,324,529	13,718,339	10,225,155	11,667,003	12,332,778	13,333,503	11,382,445w	11,983,088	12,202,240		11,418,166w	12.442.384	13,770,045	
Year	1943	1945	1946	11/4	1948	1950	1951	1952	1953	1955	1956	1957	1958	1959	1961	1962		1963	1965	1966	

<sup>\*</sup>Refunds in excess of deposits. w- Cut back in woods operations,

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Moose Hunting Hunting Licences Licences Licences Licences Licences Licences 132,907 361,887 146,601 453,790 16,787 176,301 468,705 264,922	Anging Fishing [Royalty Licences (Game) 1,000,866 109,473 274,139 1,155,904 110,705 206,514 1,350,501 116,597 338,171 1,450,180 115,344 293,426
998 340, 982 156, 535 447, 237 454, 320 513,	1,868,746 135,255 1,949,892 140,116 2,086,074 125,427 2,204,668 140,064 2,279,336 132,944
292,098 545,979 317,375 563,004 346,914 588,968 352,197 698,968 357,021 797,213	9 2,294,761 145,447 272,952 4 2,431,977 128,634 277,800 2 2,337,425 116,861 268,276 3 2,339,611 110,168 279,484
344,706 936,819 353,9064 1,041,490 381,125 1,125,019 388,629 1,278,264 463,951 1,478,195	2,527,212 111,552 244,082 2,608,572 114,461 255,265 2,685,719 115,724 327,572 2,695,802 122,525 2,847,117 123,027 197,077
Department of Game and Fisheries to 1947.	*Includes Smelt Licences and Rovalty (Fish)

### LANDS AND SURVEYS REVENUE

in years ending March 31st

Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,367	49,171	432,296
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,105
1952	186,225	120,369	32,021	48,036	386,651
1953	197,368	140,248	33,108	23,442	394,166
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,556
1956	295,057	199,834	42,612	54,182	591,685
1957	309,314	235,571	64,800	7,987	617,672
1958	358,427	264,852	51,066	12,364	686,709
1959	551,088	280,860	62,128	15,814	909,890
1960	607,538	298,706	43,190	20,001	969,435
1961	609,698	334,474	39,566	21,123	1,004,861
1962	644,159	377,988	36,449	26,416	1,085,012
1963	627,054	375,111	35,318	25,391	1,062,874
1964	577,472	466,650	34,402	16,523	1,095,047
1965	512,998	458,235	33,604	19,413	1,024,250
1966	495,852	324,548	32,041	198,039	1,050,480

<sup>†</sup> Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

Totàl	\$ 58,621 244,333 581,356 568,938 995,573	990,311 1,370,563 1,254,968 1,335,214 1,884,935
Misc.	\$13,008 17,383 27,181 25,556 25,208	45,313 34,347 17,305 21,945 24,849
Federal Assistance	222,287	218,916
Concessions Rentals	44,775	58,831 71,646 84,125 95,487 95,082
Campsite Permits	\$ 45,613 78,462 124,137 206,148 331,481	447,535 537,997 599,440 626,034 863,704
Vehicle Permits	148,488 207,751 292,459 382,887	438,632 507,657 554,098 591,748 901,300
Year	1957 1958 1959 1960 1961	1962 1963 1964 1965

### CASH RECEIPTS

### In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183 \$ 28,670 22,916 26,850 30,943	5,834
1943	146,014	3,192	6,946		8,453
1944	158,745	2,925	19,448		26,138
1945	175,342	4,913	12,417		10,559
1946	209,459	9,048	25,284		19,386
1947	204,475	11,071	15,258	46,402	25,373
1948	185,470	13,825	8,376	53,230	25,562
1949	217,521	17,225	6,373	48,331	1,685
1950	242,292	18,778	10,734	70,707	153
1951	322,661	19,092	13,407	38,975	60
1952 1953 1954 1955 1956	367,696 393,236 562,723 644,961 687,296	21,774 22,723 23,546 30,660 39,579	16,710 11,720 16,361 16,724 15,267	55,473 30,140 46,269 46,487 98,385	128,220 157,892 216,247 174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283

<sup>\*</sup> The Forestry Act, 1952, provided for the sale of trees to private landowners.

NEW POLICIES	
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NEW POLICIES

## FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1, 100 Deputy Conservation Officers.

Dr. C.H.D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

## FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

## WILDLIFE SECTION

Supervisor: F. A. Walden Game Management Fur Management Field Services Indian Affairs Agreement

## FISHERIES SECTION

Supervisor: J.D. Roseborough Game Fisheries and Hatcheries Commercial Fisheries

## SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

\*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

1	1			
Weasel	20,544 44,463 32,002 13,129	23,816 28,813 20,190 17,981	11,626 12,472 12,631 11,143	10,213 11,841 10,446
Squirrel	209	14,256 16,133 13,861 19,440 14,778		14,880 17,750 9,297
Skunk	169 4,538 5,747	2,506 1,879 1,105 2,019	572 389 216 264 112	
Raccoon	129 66 6,667 10,905 9,874	10,669 99,641 13,135 10,551 9,596	4,200 10,580 7,433 9,543 9,189	11,025 8,280 20,389
Otter	3,276 3,488 6,137 5,259 6,410	6,203 6,224 6,401 5,727 8,519	6,698 6,040 7,422 7,456 8,326	8,980 8,457 8,171
Muskrat	172,219 146,145 408,662 567,565 671,642	607,645 640,865 400,111 443,153 446,578	337,936 320,287 304,731 377,888 345,428	366,862 251,795 390,685
Mink	19,867 30,750 31,323 27,704 28,904	30,264 29,520 27,510 36,284 49,484	44,926 47,445 61,520 47,215 43,048	44,161 32,825 25,705
Marten	120 48 1,045 1,529 2,210	2,767 3,587 2,909 4,467 6,061	4,559 6,361 9,325 10,260 7,748	12,822 10,664 19,131
** Lynx	409 389 415 251 1,216	1,464 1,547 891 564 1,103	2,242 4,038 4,502 4,578	4,913 1,690 1,503
Fox	2,822 1,741 3,480 5,069 5,838	5,289 2,977 2,782 1,313 2,159	2,160 1,273 1,753 3,090 1,647	2,625 2,343 4,088
Fisher	1,027 310 662 2,081 2,414	2,335 2,915 3,046 2,127 3,173	2,365 3,125 3,348 2,728 2,830	3,659 2,581 3,116
Beaver	46,208 62,717 81,790 99,391	91,484 115,439 98,084 106,738 140,371	120,566 110,615 132,375 137,609 167,408	181,778 161,229 147,627
No. of Trappers	4,326 4,917 111,379 111,641 12,332	11,914 12,310 11,001 9,529 8,604	7,826 8,657 9,100 8,588 9,448	9,437 8,937 9,035
Year	1949 1950 1951 1952 1953	1954 1955 1956 1957 1958	1959 1960 1961 1962 1963	1964 1965 1966

 $^*$  Management began in 1947. Wolf and bear returns not reported above.  $^**\mathrm{Lynx}$  includes Bob Cat.

<sup>19</sup> 

VALUE OF PELTS, Exported or Tanned in years ending June 30th

23	Total	\$7,229,098 6,386,885 6,834,120 6,413,530 7,684,460	6,012,145 6,040,596 4,588,280 7,227,870 7,119,077	5,554,018 6,656,546 6,414,426 7,281,744 6,910,963	8,044,560 9,616,231 10,962,002 8,776,362 12,204,640
VALUE OF PELTS	Ranch	\$2,262,888 2,346,039 1,647,044 2,165,233 3,101,559	2,355,226 2,171,784 1,905,518 2,942,968 4,129,555	2,978,209 3,943,119 3,969,224 4,450,571 4,441,088	5,593,485 6,176,920 7,019,973 5,898,465 8,219,084
	Wild	\$4,966,209 4,040,847 5,187,075 4,248,297 4,582,901	3,656,919 3,888,812 2,682,762 4,284,902 2,989,521	2,575,809 2,713,427 2,445,203 2,831,174 2,469,875	2,451,075 3,439,311 3,942,029 2,877,897 3,985,556
	Total	977,634 1,156,717 1,211,545 1,090,802 963,787	1,111,715 1,255,189 1,149,431 1,267,295 959,593	1,029,095 1,029,095 943,102 928,358 1,029,480	1,013,245 1,078,620 1,180,366 991,097 1,207,606
OF PELTS	Total Ranch	101,430 155,468 164,917 158,912 152,208	152,284 156,903 132,759 159,765 172,985	248,317 237,930 262,913 287,265 348,602	385,962 386,133 437,443 393,231 482,142
NUMBER OF	Ranch Mink	73,770 125,829 143,358 143,513	144,436 152,760 131,192 158,662 171,723	247,998 237,172 262,788 286,845 348,192	385,650 385,982 437,303 393,231 482,142
	Wild	876,204 1,001,249 1,046,628 931,890 811,579	959,431 1,098,286 1,016,672 1,107,530 786,608	788,666 791,165 680,189 641,093 680,878	627,283 692,487 742,923 597,866 724,464
	Year	1947 1948 1949 1950	1952 1953 1954 1955 1956	1957 1958 1959 1960	1962 1963 1964 1965 1966

# REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

NIMBER OF DELTS

	Tanners	\$ 23,229		26,314 25,430 34,795		5,999 6,981 72,874 64,339 77,732
ROYALTY ON WILD PELTS	Total Export	\$188,560 238,073	241,938	300,799 268,823 242,490	194,956 194,340 224,921 195,586 188,552	
ROY	Export Beaver	\$ 91,694 40,166 148,506	163,690	185,103 157,635 135,919		135,949 164,293 164,293 116,901 99,719
	Tanners	214,636 294,017 271,167	149,340	256,476 240,441 325,947		115,734 119,216 276,678 262,682 381,919
NUMBER OF PELIS	Total Export	762,998 862,700 940,378 909,079		998,713 908,990 941,348 760,037	788,370 788,370 879,316 830,538 821,984 918,212	
	Export Beaver	45,847 20,083 74,253 65,600	81,845	122,287 105,071 134,729 112,663		135,949 164,293 135,791 116,901 99,719
	Year	1947 1948 1949 1950	1951	1953 1954 1955 1956	1957 1958 1959 · 1960 1961	1962 1963 1964 1965

## **BOUNTIES PAID** in years ending March 31st

	Total Amount Paid	\$59,275 54,923 57,977 56,927 46,457	41,803 46,550 41,853 38,703 37,550	38,950 37,255 41,589 33,619 48,766	44,510 44,664 44,999 59,997 59,937
	Total	2,664 2,540 2,727 2,544 2,100	1,895 2,120 1,891 1,736 1,675	1,752 1,655 1,824 1,509 2,138	1,998 2,031 2,753 2,753
WOLF BOUNTY	Pups	44 44 44 44	63 68 70 71 28	12 44 44 72 75	68 64 63 44
W	Brush	1,182 961 1,062 890 651	634 739 720 620 559	486 574 606 528 761	794 691 862 1,052 1,195
	Timber	1,440 1,515 1,581 1,613 1,405	1,198 1,313 1,101 1,075 1,088	1,195 1,047 1,169 1,320	1, 136 1,276 1,342 1,638 1,593
	Total Amount Paid	\$9,735 5,095 6,035 8,530 4,645	4,180 6,805 10,000 11,590 6,210	6,225 16,930 11,145 7,590 4,150	*3,405 y 27, 1961)
BEAR BOUNTY	Under 12 mts. \$5 each	73 17 67 122 47	29 57 145 99 50	50 300 116 139 46	8 *33 ment ended on July 2'
B	12 mts. and over \$10 each	959 502 592 803 453	408 662 947 1,126 614	611 1,568 1,084 697 401	*328 (Payment
	Year	1947 1948 1949 1950 1951	1952 1953 1954 1955	1957 1958 1959 1960 1961	1962 1963 1964 1965 1966

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

1965	46	•		7 6		415 453	204,	. 4	33		1	9 494
1964		•				41	188,	:				499
1963	84	7	270		123	442	178,814	0.4		10	7	505
1962	57	3 -	355	• •	130	543	164,901	• •	78	13	4	500
1961	97	•	367				142,600 154,626 164,901	1	97	20	3	508
1960	94		280	14	767	089	142,600	7	96	22	3	495
1959	83		232	13	1/8	206	130,294	7 7	89	24	3	495
1958	57		186	12	001	405	119,299	<b>~</b> 1 ∞	76	33	3	507
1957	56	7 ::	105	100	9	460	109,936	12		4°54	ıo	514
1956	81	T 1	108	220	6	599	101,721	12	81	62	ıo	542
1955	70		136	454		934	85,332	16	70	47	•	529
	Fox	Cross	Platinum	*Silver	White Marked	Total Fox	Mink85,332 101,721	BeaverFisher	Marten	Raccoon	okunk	NO. OF FARMS

\*Includes Standard and White Marked. \*\*Includes Cross, Red and White

\*GAME BIRD HUNTING PRESERVES in year ending March 31, 1966

Stock on Hand	2,311 452 141	100	3,217
No. of Hunters	1,514 1,077 651	719 384 251	4,596
No. of Birds Harvested	6,992 6,270 2,010	2,065 2,599 875	20,811
Total Released	9,469 9,687 3,744	2,999 5,286 2,210	33,575
Total Purchased	8, 148 7,390 4,202	160 86 2,210	22,196
No. of Pre- serves	133	1732	29
Districts	Lake Erie Lake Huron Lake Simcoe	LindsayTweed	Totals
			24

<sup>\*</sup>Based on incomplete returns.

\*COMMERCIAL PHEASANT PROPAGATORS in year ending March 31, 1966

	Stock on Hand	3,191 961 733	195 200 42	209 209 36	5,652
	Live Adults	14,313 3,081 213	166 231 178	324	18,568
SALES	Chicks Poults	41,761 483 6	37	100	42,917
	Eggs	467 480 12	118	* * * *	1,077
	Dressed Birds	4,725 7,516 2,838	385 2,000 60	2,215	20,230
	Adults	3,624 41 800	160	: " : :	4,661
PURCHASES	Chicks Poults	7,860 17,866 2,450	386 50 128	206 85 100	29,131
	Eggs	311	• • •	1,000	1,761
	No. of Farms	Erie34 Huron34 Simcoe16	Lindsay	Parry Sound	Totals122
	Districts	Lake Eric Lake Huro Lake Simo	Lindsay. Tweed Kemptvil	Parry Sol North Bay Sudbury. Sault Ste	Totals

25

<sup>\*</sup>Based on incomplete returns.

GAME	Non-Res.	4,666 3,620 3,200 3,300 5,620	5,400 3,810 6,010	5,905 6,092 5,503 7,286	7,103 7,538 7,685 7,998 9,551
SMALL GAME	Resident		240,040 268,444 256,341 284,000 318,000	316,778 341,838 377,589 378,666 383,205	377,047 383,150 416,019 399,521 424,806
BEAR+	Non-Res.	783 548 1,600 1,176	1,120 3,060 2,490 1,520 1,750	2,031 2,703 4,803 4,089 3,828	3,607 1,922 2,038 2,208 2,697
BE	Resident		• • • • • •		307 354 414 583
	Total	2,924 3,786 4,700	1,400 3,620 5,833 8,230 9,990	14,962 19,257 25,050 29,780 36,160	44,752 46,145 50,405 47,827 70,338
MOOSE	Non-Res.	1,230 1,516 1,700	* 637 730 990	1,521 1,890 2,362 3,431 4,212	5,775 6,675 7,261 7,639 10,057
	Resident	1,694 2,270 3,000 *	1,400 3,620 5,196 7,500 9,000	13,441 17,367 22,688 26,349 31,948	38,977 39,470 43,144 40,188
	Total	70,790 78,492 85,000 88,324 96,820	99,690 97,660 101,085 103,200 113,200	105,505 113,363 115,366 109,948 120,404	111,948 127,648 120,861 130,744
DEER	Non-Res.	7,877 11,193 11,300 12,050	10,400 ** 870 8,300 10,400 8,050	7,426 6,743 6,044 5,988 6,004	5,788 5,913 6,351 6,562
	Resident	62,913 67,299 73,700 76,274 84,380	89,290 96,790 92,785 92,800 105,150		106,160 121,735 114,510 124,182
	Year	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959	1961 1962 1963 1964

## TOTAL LICENCES SOLD

	ANG	LING	HUNTING				
Year	Resident	Non-Res.	Resident	Non-Res.	Total		
1944		89,291	132,376	5,168	137,544		
1945	*****	126,367	186,680	9,451	196,131		
1946		171,400	219,916	14,556	234,472		
1947		196,785	240,667	16,877	257,544		
1948	3.730	224,898	262,760	17,800	280,560		
1949	4,434	240,278	281,980	16,526	298,506		
1950	5,110	237,191	297,974	19,187	317,161		
1951	4,785	272,180	330,730	16,480	347,210		
1952	4,695	287,997	368,854	9,330	378,184		
1953	4,712	308,500	354,322	15,237	369,559		
1954	6,400	366,150	384,300	17,950	402,250		
1955	6,450	377,220	432,150	16,800	448,950		
1956	12,624	376,000	428,298	16.883	445,181		
1957	15,806	397,435	465,825	17,428	483,253		
1958	18,678	380,036	509,599	18,712	528.311		
1959	22,005	389,811	507,975	19,751	527,726		
1960	10,516	406,239	529,553	21,330	550,883		
1961	11,735	422,378	522,184	22,273	544,457		
1962	11,200	433,308	544,662	23,912	568,574		
1963	11,276	478,736	574,027	23,335	597,362		
1964	13,263	495,135	564,305	24,407	588,712		
1965	12,982	533,154	635,071	29,749	664,820		

## PROSECUTIONS in years ending March 31st

	Seiz-	Public	*Total	Convic-	Colle	cted
Year	ures	Sales	Sales	tions	Costs	Fines
1947	1,844	\$	\$37,202	2,040	\$1,216	\$44,267
1948		4,700		2,880		
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872		23,633	2,880	1,387	50,460
1954	2,975		25,157	3,052	1,442	47,71
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,44
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,44
1959	2,472	10,397	25,018	2,525	1,183	42,87
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,55
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236		48,44
1966	2,581	11,235	23,392	2,327	1,042	53,12

<sup>\*</sup>Includes Redemptions.

## FISH DISTRIBUTED FROM ONTARIO PROVINCIAL HATCHERIES

IN 1965 (in 000's)

Stations	Brook Trout	Lake Trout	Rainbow Trout	OTHER	SPECIES
Midhurst	82,250Y				
Codrington	275T 42,700Y	• • •	33,050Y	Maskinonge	Walleye
Deer Lake	87 . 2 16 Y	38,500Y		1,850,000f	5,600,000E
moor many		***		24,600F	***
	• • •	• • •	* * *	15 Y	* * *
White Lake	210,300Y	71,000Y	78,315Y	Smallmouth	55,655F
Westport	17,000Y	30,000Y	8,000Y		10,000,000E
	• • •	• • •		**81,000f **107,500F	• • •
		• • •	• • •	107,5001	• • •
Normandale	29,915Y 16,500T	* * *	15,000Y		Valance
	10,5001	• • •	17,600T	***	Kokanee
Wiarton	• • •	100,000F	• • •	***	
Chatsworth			30,750Y		
	11,225T	9,340T	4,150T	• • •	E
Sandfield	177,375Y	19,975Y	32,000T	58,000f	1,482,180f
		* * *		95,900F	F
	•••	• • •	• • •	165A	
Skeleton Lake			51,000Y	58,800F	
	• • •	• • •	9,000T	Whitefish	* * *
Little Current	• • •			24,030,000f	Splake
Tarentorus		401,000Y	22,450Y		21,200Y
	19,000F				15,700T
•	310,600Y	• • •	• • •	• • •	• • •
North Bay			9,000Y		
	10,600T	* * *	* * *	• • •	* * *
Pembroke	23,100F				
	199,835Y		* * *	Albino	
Port Arthur		124,800F			Aurora Trout
Uill Lake	105 0008	7 0500	6E 0006	4 390V	4 0000
Hill Lake	195,000F	7,050Y	65,000f 11,750F	4,380Y	4,000F
	28,062T	***	***	* * 6	* * 6
	972A	• • •	• • •	***	* * *
Dorion	244,800E	167,640Y	21,720Y	***	
3	362,900F		***	* * *	• • •
	39,995Y				

<sup>\*</sup> a further 1,097,144 Kokanee eyed eggs and fry were planted from Glenora

Fisheries Station

<sup>\*\*</sup> largemouth bass.

## DISTRIBUTION OF HATCHERY FISH in 000's

1965	81 108	231	:: ::: : : ::	683 1,609 288
1964	91	239	:: ::: : : ::	• • •
1963	945	134 288	:: ::: : ::	• • •
1962	55	147	:: ::: : : ::	:::
1961		230 270 1		:::
1960	231 30	156 178 1	:: ::: : : : : : : : : : : : : : : : :	• • •
1959	45	227	26	
1958	46 63 1	130 133 5		· · · · · · · · · · · · · · · · · · ·
1957	190 129 3	468 132	1,840	:::
1956	360 122 1	803 369 19	350	 
1955	282 343 4	209 529 25	2	
SPECI ES	BASS, Largemouth . Fry Fingerling Yearling and Adult	BASS, Smallmouth. Fry Fingerling Yearling and Adult	RAUGEILLS Fingerling Adult CHARK, French Alpine. Fingerling Vearling Vearling GRAVLING, Arctic. Vearling GRAVLING, Arctic. Vearling HERRING Eggs	

	1,850	0 0 0 0 0 0 0 0	15,600	• •	• •	21 16	4	*:
	1,530	15:	14,000	• •	• •	88 12	4	0 pml
	1,870	• 10	7,200 11,440 217	• •	• •	114	•	• •
	2,970		20,500 8,994 201	• •	• •	112	:	
	2,833	• • • •	27,065	* * * * * *	: :	97.	:	:
	3,390	0 0 pm( 0 0 0 0 0 0	53,790	• • • • • •	: :	13	:	
	4,070		30,875	• •	• •	135	:	
	2,940 18 1	· · · · · · · · · · · · · · · · · · ·	56,245	• •	: :	208	:	• •
	2,430 39 1	:: # :	90,565	0 0 0 0 0 0	  	16	:	• •
	3,610	0 pml 0 0 0 0 0 0 0 0	138,805	0 0 0 0 0 0	513	• 00 •	:	
	3,712		91,800	423	* * * * * *	10	•	• •
MACUTNONGE	Fry Fingerling	OUANANICHE Eggs Fry Yearling	PICKEREL (Walleye) Eggs. Fry. Fry. Fingerling.	SALMON, Chum Eggs Fingerling	SALMON, Pink Eggs Fingerling	SPLAKE Fingerling Yearling	TROUT, Albino Yearling	TROUT, Aurora Fingerling

;			827 9	65 12 269 63	674 600 1,819 69	24,030	49,294
	: : :		982	141 319 15	400 8 506 1,726	27,090	48,042
	• • •		186 950 6	 3 173 11	392 1,883 73	46,350	2 89,880 140,342 102,623 84,401 72,042 4** **Rainbow Trout Included in Kamloops Trout Plantings.
			240 989 1	60 291 9	494 651 1,655 75	46,575	84,401
	• 10	*	44 370 715 8	102 229	30 764 2,052 73	13,875 53,685	89,880 140,342 102,623 (alnbow Trout Included in Kami
	. 82	28 79	389		49 15 864 1,616	12,000 62,993	140,342 rout Includ
	193	20 20 95	40 274 634		580 455 1,807 84	1,000	89,880 Rainbow T
	22	26 110 95 32	374 832		789 2,079 10	30,940	142,682
	8 36 170	13	230		200 91 522 2,677	13,435	180,704 Basis.
	29	10	12 10 736 320		35 1,332 2,092 19	51,178	212,410 180,704 Fiscal Year Basis.
	101		2,612 2,612 241	***	50 842 1,991	67,165	286,267 Complied on F
	TROUT, Brown Eggs Fingerling Yearling	TRUUT, Kamloops Eggs Fry Fryeringerling Yearling Adult	TROUT, Lake Eggs. Fry. Fry. Fingerling. Yearling.	TROUT, Rainbow Fry Fingerling Yearling	TROUT, Brook Eggs. Fry. Fingerling. Yearling. Legal Size	WHITEFISH	Fry

## COMMERCIAL FISHING EQUIPMENT

	Total Value \$000's	4,764	5,147	5.988	6,679	380 9	8.328	8,839	9,176	9,226	8.891	8,676	9,215	10,557	10,124	10 277	0 000	10,264	10,101	9,972
	Net	:	:	•		;	727	827	778	759	754	209	727	884	839	773	726	747	731	681
	Wharves and Piers	437	400	395	425	416	474	487	456	447	437	404	425	491	216	476	407	430	49.3	459
Freez-	& Ice Houses	525	477	456	477	476	462	493	482	442	426	412	464	564	228	521	525	511	549	492
	Seine	121	2 %	110	112	105	109	101	116	134	84	16	81	111	105	62	103	93	.677	,772
of Nets	Hoop	1,288	1,324	1,411	1,439	1,483	1,564	1,570	1,578	1,545	1,487	1,462	1,441	1,812	19861	1.778	1.767	1,943	1,88915	2,00216
Number of Nets	Trap*	:	: :		:	•	359	549	209	822	763	804	731	739	100	631	597	694	512	521
	Pound	1,079	1,152	1,182	1,214	1,204	1,127	1,078	00 100	787	784	671	713	723	**/	672	296	745	873	866
	Nets 000's yds	9,090	8,981	9,144	9,064	8,944	9,057	9,312	9,248	7,304	8,719	8,618	00 c	9,718	04047	9,293	9,344	9,200	9,110	9,256
Boats	Under 40 ft.	2,205	1,930	2,039	1,966	1,981	1,682	1,538	1,407	1,000	1,320	1,321	1,270	1,000	2000	1,541	1,533	1,718	1,587	1,660
Д	40ft. & Over	107	111	123	116	126	196	212	224	4.77	202	211	717	238		223	218	224	229	223
	No. of Men	4,244	3,736	3,930	3,886	3,833	3,878	3,807	2 402	2016	3,135	3,000	2 5.24	3.409		3,059	2,993	3,271	2,952	7,544
Licences	Total	2.421		2,675	77/67	2,894	3,115	3,038	2 270	2000	3,470	4,084	4 170	4.176		4,563	4,554	4,679	4,786	4,047
Lite	Gill	: :	• !	1,071	1,041	1,063	1,124	1,076	1 066	00064	1,032	1,000	1 117	1,089		1,063	1,060	1,075	1,088	1,072
	Year	1946	1948	1050	1230	1951	1963	1054	1955		1956	1958	1950	1960		1961	7967	1963	1005	1300

\*Trap Nets included with Pound Nets. 1946-1951.

## YIELD OF ONTARIO FISHERIES in 000's lbs and \$000's

SPECIES	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	Value 1965
Bass, Rock; Crappies Bass, White Ballheads Carp	63 5,795 843 1,906 299	3,589 762 1,508 272	81 1,850 635 1,350	1,444 480 1,519 319	3,305 467 1,124 321	3,413 363 1,312 244	137 2,491 423 1,124 314	1,991 740 1,323 300	206 1,836 513 938 287	2,733 451 872 243	37 418 69 78 51
Caviar	923 55 55 1,142	796 103 31 1,996	1,269 133 22 1,917	1,576 140 15 2,947	1,865 130 33 2,227	2,993 127 127 1,853	2,825 128 34 2,630	2,329 175 20 2,374	2,035 250 28 1,993	1,892 194 194 1,603	304 39 55
Ling	451 20 11,843 12,019 11,673	354 23 12,068 6,398 10,609	484 26 16,299 833 7,825	432 24 19,968 50 4,653	614 63 12,774 3,702	638 22 18,628 3,382	623 31 21,659 3,708	615 20 18,725 5,108	600 70 9,635 3,678	404 66 19,465 3,241	2,499 1,234
Pike, Northern Saugers Sheepshead Smelt	904 133 774 4,016 138	914 103 849 4,666 174	1,017 174 1,817 4,967 243	993 112 1,419 7,059	966 85 11,539 11,666	990 105 13,065 13,065	976 131 1,117 19,314	990 136 1,503 10,705	1,134 141 831 12,887	1,099 $76$ $990$ $11,917$ $94$	88 17 18 351 110
Suckers Sunfish Trout, Lake Whitefish. Miscellaneous. TOTAL.	1,394 416 641 4,049 132 59,717	1,317 375 498 3,226 413 51,113	1,509 276 622 3,278 212 47,172	1,410 225 522 3,183 227 48,992	1,616 286 3,845 163 47,397	1,595 271 181 3,907 323 54,954	1,540 257 208 3,640 337 63,784	1,650 358 3,357 1,359 54,342	1,450 358 3,224 3,229 1,086	1,102 249 178 3,236 2,154 52,489	21 31 75 783 100 \$6,404

# YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

\$'000	5,597	5,735	6,252	7,044	7,417	7,037	7,013	6,783	7,928	7,047	7,274	4,866	4,933	5,746		5,504			
Total	33,000	28,942	32,756				47,679		59,717					54,954	63,784	54,342	43,510	52,489	
Southern	679	735	555	707	678	827	712	615	593	493	544	432	586	746	644	863	582	438	
Northern	4,719	4,629	5,229	5,728	6,221	080°9	080,9	5,627	5,878	5,764	7,316	7,617	8,234	7,966	8,572	8,440	7,938	7,584	
Lake	3,589	3,371	2,655	2,851	3,127	2,771	2,890	2,540	2,145	2,797	2,871	3,850	2,828	2,353	3,146	2,973	2,682	2,270	
North	290	445	899	548	433	458	395	244	187	161	255	171	206	246	252	172	214	289	
Georgian Bay	1,292	913	2,794	3,720	5,359	6.876	4,292	2,298	1,113	664	407	225	218	201	348	555	735	993	
Lake	954	1,440	1,301	1,474	1,736	1,396	1,463	1,262	1.463	988	2,023	2,203	3,489	4.759	3,575	2,948	3,018	2,286	
Lake St. Clair	493	437	469	389	792	983	1.021	822	1.029	1,113	206	845	629	877	1.031	1,043	946	886	
Lake Erie	18,925	14,926	16,866	13,114	17,417	23,389	28,912	30,285	44.682	37,105	30,751	31,597	29,219	35,698	44.465	35,301	25,381	35,096	
Lake Ontario	2,059	2,046	2,219	2.411	2,281	2,059	1,914	1,943	2.627	1,997	2.098	2,051	1,958	2, 109	1,750	2.046	2,015	2,647	
Year	1946	1948	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Total Total Catch Value
Other
Yellow
White- fish
Smelt
Lake Trout
Lake Herring
Eels
Carp
Bullhead & Catfish
Year

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Total	\$ 657 660 2,132 1,891	3,089 2,676 3,025 2,950 3,149	2,892 3,249 3,089 3,407	5,434 4,848 4,662 2,200 2,060	2,507 2,353 2,530 2,377 3,319
Total Catch	8,951 10,038 14,483 15,256 18,950	18,925 12,334 14,926 19,093 16,866	13,144 17,417 23,389 28,912 30,285	44,682 37,105 30,751 31,597 29,219	35,698 44,465 35,301 25,381 35,096
Other	1,535 1,661 2,168 2,122 1,983	2,402 2,433 2,043 2,168 2,802	3,497 1,157 1,058 896	974 1,088 803 857 725	847 818 1,659 1,216
Yellow Pickerel	347 421 453 776 1,068	739 793 799 849 1,252	1,522 2,167 2,288 2,925 4,773	9,275 8,294 5,073 1,384 619	269 284 1,875 599 346
White- Fish	3,359 2,524 1,481 1,259 1,689	1,932 2,726 3,800 3,620 1,390	1,130 1,424 1,641 556 399	542 536 383 21	9 10 11 3
White Bass	• • • • • • • • • • • • • • • • • • •	* * * * * * * * * * * * * * * * * * *	1,422 2,161 6,153 4,505	5,715 3,538 1,813 1,406 3,255	3,334 2,349 1,855 1,723 2,611
Smelt	* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	374 1,030 1,266 2,040	3,694 4,473 4,656 6,843 11,467	12,835 19,108 10,524 12,735 11,711
Sheeps- head	* * * * * * * * * * * * * * * * * * *	· · · · · · · · · · · · · · · · · · ·	1,073 772 773 773 786	713 789 1,727 1,328 1,468	1,116 1,037 1,412 752 898
Yellow Perch	2,050 965 711 1,373 1,206	2,418 2,252 1,939 2,279 2,166	2,758 2,204 3,973 7,749 4,753	11,573 11,894 15,410 19,606 11,654	17,284 20,859 17,963 8,351 18,603
Lake	116 62 56 336 6,445	9,525 2,484 603 393 645	323 329 234 281 96	194 104 62 39 6	
Blue Pickerel	1,544 4,405 9,614 9,390 6,559	1,909 1,646 5,742 9,784 8,611	3,914 7,267 10,333 8,151 12,037	6,389 6,389 824 47	
Year	1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964

Yield of Ontario Fisheries by Species --LAKE HURON (PROPER) -- in 000's lbs and \$000's

Total	\$ 195 173 362 272 230	151 211 348 246 238	318 267 277 326 324	287 290 433 514 908	1,204 802 651 711 234
Total Catch	2,148 2,081 1,836 1,460 1,071	954 1,107 1,440 1,260 1,213	1,307 1,204 1,441 1,492 1,469	1,463 2,988 2,203 3,489	4,759 3,575 2,948 3,018 2,286
Other	113 90 105 141 115	108 80 201 228 123	164 55 52 79 89	162 120 164 225 183	97 95 154 254 304
Yellow	195 176 167 154 138	122 171 225 205 240	254 218 307 231 211	333 266 245 331 230	217 263 225 286 245
White- Fish	93 1114 1113 142 66	158 292 538 243 226	225 284 180 271 258	216 89 156 229 827	812 349 269 320 407
Suckers			84 50 77	86 61 70 75 65	193 73 77 98 62
Sturgeon & Caviar	00004	~ ∞ <b>~</b> ∞ ∞	80250	111 46 26 12 6	01004
Yellow	209 311 355 317 239	336 219 147 231 359	431 362 496 329 323	155 65 719 236 859	1,072 583 539 602 167
Lake	1,110 800 517 314 117	30 10 3	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Lake	189 362 329 129 100	104 217 125 135	116 107 71 44	39 20 19 13	17 25 8 8 9
Chub	233 222 247 258 292	89 1113 188 207 129	109 88 280 454 417	461 321 624 1,082	2,342 2,180 1,669 1,442 1,083
Year	1941 1942 1943 1944	1946 1947 1948 1949	1951 1952 1953 1954	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

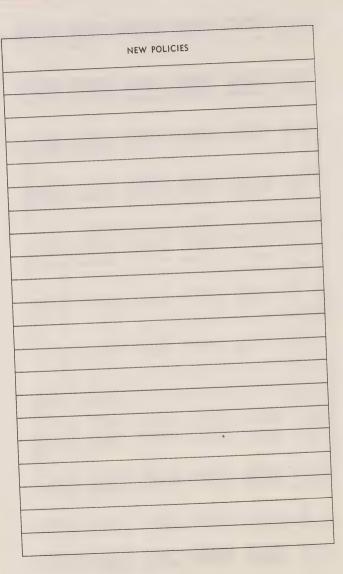
Total Value	\$ 276 223 485 389 389	332 181 268 465 800	1,450 1,545 1,737 1,450	366 201 98 61	61 95 164 190 234
Total	2,734 2,163 2,010 1,545 1,524	1,292 666 913 1,563 2,912	3,937 5,976 6,917 4,317 2,073	1,085 618 362 201 219	201 348 555 735 993
Other	87 74 138 95 198	188 126 72 66 56	36 36 57 60 46	110 57 32 52 52 47	19 41 64 249 316
Yellow Pickerel	3.55 3.55 3.55 3.55 3.55 3.55 3.55 3.55	44 21 160 206 133	69 52 94 109 117	77 38 29 62 40	33 61 93 72
White- Fish	748 584 442 364 279	246 87 245 805 2,189	3,203 5,217 6,242 3,743 1,634	670 248 90 49 57	96 130 207 232 171
Sturgeon	- · · · · · · · · · · · · · · · · · · ·	#	44444444444444444444444444444444444444	10 4 10 10 1d	H 0 0 0 0
Northern Pike	25 36 30 25	25 7 119 222 12	8 14 20 18 19	15777	6 10 12 11 11
Lake Trout	1,502 1,274 1,066 815 738	696 368 312 343 351	480 550 323 154 67	48 11 11 1	prof. * * * * * * * * * * * * * * * * * * *
Lake Herring	64 52 168 55 103	21 15 17 28 63	26 35 15 12	17 10 4 3	HHH40
Chub	203 58 69 110	25 21 48 50 72	74 42 128 123 64	70 140 109 3	31 82 104 121 409
Carp	38 38	35 35 35 35	35 29 37 96 110	73, 77 37 37	13 21 66 24 10
Year	1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Total	\$ 274 272 511 530 696	639 503 675 561 626	641 661 590 565 523	389 344 376 377 270	214 239 271 249 283
Total Catch	3,436 3,362 3,347 3,761 3,812	3,589 2,830 3,371 3,188 2,655	2,851 2,721 2,890 2,540	2,145 2,797 2,871 3,850 2,828	2,353 3,146 2,973 2,682 2,270
Other	192 184 160 174	117 92 176 162 128	227 77 67	112 52 68 91 54	48 50 57 134 88
Yellow Pickerel	115 92 188 96 98	120 155 116 125 145	200 163 158 135 130	186 217 164 271 249	227 174 167 216 291
White- Fish	315 320 336 403 359	275 246 306 277 341	341 268 328 254	303 285 287 210 99	119 148 161 133 135
Sturgeon	ппппп	аннн	0 0 4 to 0	3 6 6 11	0 F 7 - 7 3 0
Sauger		: : : : :	124 38 72 49	69 100 68 19	23 23 18 23 18 23 18 23 18 23 18 23 23 23 23 23 24 24 25 25 25 25 25 25 25 25 25 25 25 25 25
Menominee	:::::	:::::	10 88 9	111 112 171 54	7 10 11 56 18
Lake Trout	1,298 1,361 1,323 1,553	1,531 1,286 1,447 1,356 1,506	1,273 1,389 1,371 1,266 1,003	527 324 366 238 122	48 70 1112 106 102
Lake Herring	1,433 1,392 1,290 1,481 1,708	1,511 1,017 1,295 1,255 505	763 993 745 920 708	821 1,696 1,744 2,833 2,117	1,777 2,570 2,319 1,935 1,553
Chub	81 111 48 53	33 33 30 12 29	45 94 88 91 312	112 148 125 117 103	81 69 81 42 63
Year	1941 1942 1943 1944 1945	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965

Yield of Ontario Fisheries by Species --NORTHERN INLAND -- in 000's lbs and \$000's

Total	Value	4	4 429	687	744	000	896	905	764	100	1,035	702	789	732	823	815	1,039	1,035		1,019	1,171	1,047
Total	Catch	504	4.570	4,961	5,040	4 430	4.802	4,629	22.0		6,223	080°9	080, 9	170°C	5,878	5,764	7 617	8,234	·	7,966	8,372	7,938
	Other	472	454	588	674	481	624	457	628	7.10	967	1,390	1,262	04467	1,332	1,234	1,344	1,886	1 010	1,816	2,130	1,823
Yellow	Pickerel	1,494	1,431	1,503	1,556	1.621	1,688	1,636	1,597	1.801	1,847	1,606	1,568		1,593	2,048	2,323	2,258	2.262	2,539	2,315	1,954
White-	FISH	1,328	1,366	1,544	1,490	1,417	1,156	1,627	1,738	1,733	1,759	1,604	1,497		1,043	1,855	2,203	2,409	2,180	2,544	2,320	2,324
Tullibee		117	221	170	240	162	138	169	170	210	241	243	192	27.4	184	411	373	430	539	494	475	336
Sturgeon & Caviar		59	97	120	108	146	145	139	172	66	137	81	7.1	12	00	149	114	707	119	0.0	1 0	22.2
Sauger		: :		•	:	::	9	:	:	28	48	37	44	46	29	28	D 00	;	61	70	1 00	200
Northern Pike		869 950	889	831		744 898	806	784		915	831	1,008	824	773	820	923	878		842	887	1,033	1,029
Lake		165	228	183		148	144	100		110	133	120	110	62	153	282	191	00,	137	140	117	74
Goldeye		::	•	• •		::	28	84	;	102	34	87	٥,	84	33	15	33	2.4	34	20	28	19
Year	1041	1942	1043	1945	1046	1947	1948	1950	1051	1952	1953	1955	2	1956	1958	1959	1960	1961	1962	1963	1964	1905



## FOREST PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885 resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees.. the net expense to the province was under \$8,000. Mr. White asked for \$8,000. for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The crown Timber Act of 1917 established the fire tax, an annual per acre protection charge on Crown Lands.

Following disastrous fires in 1916, the Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E.J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

T.E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J.M. Whalen was appointed Chief on June 14th, 1963.

## FOREST PROTECTION BRANCH

Chief: J. M. WHALEN

## FOREST PROTECTION SYSTEM

Supervisor: W. T. Foster

Fire Prevention and Control Forest Insects and Disease Plant and Equipment Communications System

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T.C. Cooke

Aircraft Operation
Aircraft Maintenance
Selection and Development of Equipment

## FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964 special Indian fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August 1966 the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

## HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645, 450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1, 125, 000 acres in areas accessible only by aircraft.

## ESTIMATED FIRE DAMAGE

	MIT (0)	FIMBER DAMAGE (000's Cu. Ft.)	MAGE Ft.)	TIM (Crox	TIMBER DAMAGE (Crown Dues, Only	MAGE Only)	DAMAGE	DAMAGE TO REPRODUCTION	NCTION*		PRIVATE
Year	Crown	Private	Total	Crown	Private	Total	Crown	Private	Total	TOTAL	PROPERTY DAMAGE
1950	1,624 29,401	1,937	3,561 29,590	\$ 16,244 294,015	\$19,365	\$ 35,609 295,895	\$ 8,611	\$10,927 \$ 1,121	19,538	\$ 55,148	\$103,682
1952	1,401 27,934	1,688	1,978		5,769	19,782	9,169	553	9,722	29,504	31
955	267,186 155,305		267,773 155,378	2,671,857 2,868,133	5,870 2,118	2,677,727 2,870,251	156,362 900,331 195,491	793 13,622 2,411	157,154 913,953 197,901	406,241 3,591,680 3.068,152	15,650 184,940 22,319
1957 1958 1959	20,107 8,721 680	1,014 2,465	21,121	406,376	21,876		23,086	11,722	34,808		
960	1,595,447		21,416 1,596,196	425,860 31,908,935	2,470 14,993	14,709 428,330 31,923,928	2,579 8,357 62,187	1,427	7,332 9,764 65,874	22,041 438,094 31,989,802	20,757 56,442 152,638
1962	2,440	83	2,523	48,794	1,669		10,740	13,546			
965	10,052	:	10,330 2,158 895	33.088		351,130 235,325 33,640	• • •		151,525	500,296	19,792

\*Preliminary Report to December 1, 1966.

FOREST FIRE SUMMARY

	NUMBER O	F ACRES BUR	NED OVER	Number	Average
Year	Crown	Private	Total	Of Fires	Acreage
1917	*****	*****	384,164	1,110	346
1918			30,172	965	31
1919	*****	******	922,161	1,780	518
1920	******	******	358,851	1,287	279
1921	*****		749,534	1,269	591
				-	
1922	*****		346,193	1,021	339
1923	*****		2,120,148	1,343	1,579
1924	*****	******	146,017	851	171
1925	*****	******	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1007	22 772	12 070	25 742	024	20
1927	22,772	12,970	35,742	924	39
1928 1929	96,436 608,750	3,947 16,893	100,383 625,643	536 1,550	187 404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1/01	100,000	02,422	100,207	1,001	,,
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
10.40	MM M00	24 007	112 614	1 004	0.7
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817 168,891	624 1,137	85 149
1944 1945	73,228 17,997	95,663 30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
2740	44,000	02,120	,0,,0,	1,.07	
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1057	24 250	22 407	44 451	1 (7)	28
1957 1958	24,250 25,544	22,401 11,108	46,651 36,652	1,671 1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
10/0	m mon	6 227	12 004	1 503	0
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30 15
1964 1965	22,463	5,661 4,909	28,124 19,904	1,829 1,218	16
1966*	14,995 11,198	3,144	14,342	1,920	8
1700	11,170	0,144	14 9042	1,720	0

\*Preliminary Report to December 1, 1966.

## \*1966 FOREST FIRES

Honorary Fire Wardens	DISTRICT	Number of Fires	Acres Burned	Average Acreage
waruens		OI FITES	Durneu	Acreage
200	Chamlers.	21	21	1.0
300 380	Chapleau	38	107	1.0 2.8
202	Cochrane Fort Frances	38 46	27	.6
331	Geraldton	46	1,219	2.7
30		27	23	.9
30	Gogama	21	43	• 7
51	Hespeler	20	53	2.0
256	Kapuskasing	15	246	16.4
29	Kemptville	9	29	3.2
295	Kenora	120	796	6.6
160	Lindsay	95	97	1.0
40	Maple	31	230	7.4
512	North Bay	139	410	2.9
402	Parry Sound	227	568	2.5
239	Pembroke	121	160	1.3
341	Port Arthur	93	257	2.8
284	Sault Ste. Marie	124	348	2.8
144	Sioux Lookout	121	700	5.8
444	Sudbury	417	5,933	14.2
365	Swastika	49	2,461	50.2
259	Tweed	140	649	4.6
248	White River	214	8	.4
5,312	Totals	1,920	14,342	7.5
	MONTHS			
	April	83	317	3.7
	May	325	5,848	18.0
	June	225	4,509	20.0
	July	906	2,583	2.9
	August	21	615	2.8
	September	113	151	1.3
	October	53	319	6.0
	November	1	-	-

<sup>\*</sup>Preliminary report to December 1, 1966.

# FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

	Morao	400	1058	1957	1958	1959	1960	1961	ORIGIN	1962	1963	1964	1965	9961*
	Ortoni	148	49	125	123	52	55	80	Residents	146	313	244	204	226
F .	חם כובמו ושפיייי	200	196	379	325	323	265	295	Recreation	592	811	109	404	737
S S	Camping	208	145	342	371	159	116	201	•	:	•	:	:	:
Ka.	Smokers Railways	189	122	176	149	67	49	62	Railways	92	93	75	118	119
Ros	Road Construction.	13	34	73	63	12	18	15	•		•	: 1	: i	
Po	Logging	53	22	39	17	25	20	19	Industry	75	77	75	4/	00
M	Mining	11	9	7	1	7	7	7		•		•	•	:
Q	Drognortors	11	80	3	1	4	1	П	•	:	•	•	•	. 1
	Incendiary	31	00	26	43	13	12	31	Incendiary	38	36	36	15	18
7 77	With the second	148	123	194	229	116	76	143	Miscellaneous	289	216	198	191	182
II.	finknown accesses	32		32	17	14	11	11	Unknown	10	20	6	10	13
		078	302	275	219	242	310	445	Lightning	295	319	591	202	539
71	Lighthing	2,252	-	-	1,558	1,027	926	1,305	TOTAL	1,521	1,521 1,885	1,829	1,218	1,920
7	Letot - Popular		715		1,339	785	646	860	860 Man-Caused	1,226	1,566	1,226 1,566 1,238	1,016	1,381
E	Percentage				98	76	89	99	%age	81	833	89	85.4	/103
P	Prosecutions	•	62	55	71	38	31	54	Prosecutions	48	71	22	37	26
: 6	Convictions	•	56	41	62	35	30	47	Convictions.	43	65	22	34	21
í					*Pre	liminary	report to	Decemb	*Preliminary report to December 1, 1966.					

	MEANS OF DETECTION	19	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	*1966
	Lands & Forests Towers Lands & Forests Aircraft Commercial Aircraft Lands & Forests Personnel Other Prov. Govt. Employees.		528 216  122 654	353 126  46	891 395  102 864	262 189  57 509	575 202  141	581 121  87 87	414 91 66 66	304 158  63	419 246 74 74	555 131 92 743	620 206 97 119 92 27 824	611 178 55 34 116 41 794	417 66 46 3 3 67 35 584	559 190 123 12 96 67 873
	SIZE 19	1952 19	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	*1966
5	1/4 acre 3	391 5	500	354	846	395	575	490	470	416	502	670	969	845	572	1,013
1	1/4-10 acres 5	581 8	821	428 ]	1,124	5 0 2	861	861	493	448	639	744	949	829	260	819
	10-100 acres 1	103 1	146	81	188	99	187	178	26	59	112	28	201	122	70	70
	100-500 acres	16	33	6	52	26	37	20	6	23	12	17	30	22	13	13
	Over 500 acres	4	20	6	42	28	111	õ	٦	10	40	9	6	11	8	ın

\*Preliminary report to December 1, 1966.

### FOREST PROTECTION PERMITS

	771	WORK I	PERMITS	TRAVEL	PERMITS
Year	Fire Permits	Permits	Men	Permits	Persons
1926	13,466				
1927	13,593			6,548	15,669
1928	13,611		• • • • •	15,406	42,566
1929	14,038	• • • • •		20,738	51,443
1930	15,094	••••	*****	36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,92
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988	••••	• • • • •	9,774	28,600
1936	18,964	• • • • •		8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,95
1939	15,565	3,686	48,208	12,707	40,44
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,31
1942	8,542	1,826	40,194	8,358	24,72
1943	5,242	2,272	34,440	11,004	28,56
1944	5,106	2,173	34,927	13,510	41,56
1945	5,764	2,799	47,280	20,393	70,08
1946	8,940	3,496	67,346	35,794	112,19
1947	7,925	3,491	61,140	51,187	146,18
1948	9,237	3,030	51,736	61,384	194,61
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,93
1952	11,764	3,971	55,882	124,193	455,97
1953	14,189	3,585	49,387	146,481	506,70
1954	12,315	3,496	67,346	113,971	408,01
1955	14,803	3,668	76,703	211,724	717,54
1956	14,142	3,930	62,469	181,396	608,13
1957	12,778	3,095	55,227	118,690	427,83
1958	15,842	2,922	44,362	121,373	412,46
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,47
1961	20,956	4,631	47,916	108,108	393,51
1962	22,298	4,590	42,375	108,771	366,98
1963	23,523	4,358	40,028	111,960	271,79
1964	23,210	4,193	39,136	86,567	300,35
1965	22,560	4,528	41,848	77,442	256,15

### MAJOR EQUIPMENT March 31st

	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1005	000
Portable Power Pumps Portable Hand Pumps. Hose (000's Feet)	1,097 6,362 2,714	1,218 7,907 3,319	1,215 7,899 3,312	1,255 8,712 3,890	1,396 8,336 3,551	1,271 8,344 3.712	1,225	1,201	1,145	1,117	1	1,053
Tents	1,997	2,376 1,506 31,582	2,469 1,538 29,288	2,438 1,597 29,505	2,483 1,671 29,024	2,391 1,739 30,540	2,433 1,750 31,946	2,618 1,780	2,542 1,828 36,075	,	2,502	3,517 2,510 1,705
Binoculars	573	642	609	615	647	629	661	899	691		38,071	39,896
Canoes	1,114 418 752 55	1,087 434 771 64	1,073 459 771 60	1,052 493 800 59	1,005 519 785 48	954 809 44	930 538 807	922 568 834	868 570 837	859 584 841	816 652 884	878 584 910
Barges and Scows	•	:	4	9	7	. 0		7. 9	5 75	ω 20 π	33	300
Trucks and Autos Trailers	715 107 101	786 141 121	751 166 134	861 205 312	918 249 186	905 263 184	945	282	302	305	979	1,006
Railway Motor Cars	45	47	46	24	22	42 20	41	162	38	36	35	181
Snowmobiles	7	00	10	14	10	13	14	16	22	29	40	4 63
Stool Terror	801	825	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,253
orest towers	280	288	292	302	308	3 15	318	323	323	323	323	323

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PORT OF MAJOR EQUIPMENT as of March 31, 1966

Power Hand Hose Rets Tents Bian over Mr Bd. Mires Power Hand Hose Rets Tents Bian der Ges Mr Bd. Mires Power Hand Hose Rets Tents Biang lars over Mr Bd. Mires Dower Hand 138,6000 1,366 1012 3 3 7 4 1 14 4 18 6000 1,366 101 89 124 36 30 3 8 30 3 8 197 111,300 1,232 201 89 122 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Hand   Hose   Reis   Tends   Bare   Bar   Hose   Hose   Reis   Reis   Cars   No. III   Cars   Cars   No. III   Cars   C																	
Power Hand         Hand         Hose of Acts         Acts <th>Power Hand Hose Kets Color Holes Fig. 1</th> <th>SNO</th> <th>Portable</th> <th>9 10</th> <th>Fire</th> <th>Blan-</th> <th>Tonte</th> <th>Sleep- ing Bags</th> <th></th> <th>p.ort</th> <th>0</th> <th>Out- Bd. Mtrs</th> <th>wehi- cles</th> <th>Trail- ers</th> <th>Trac-</th> <th>Mtr</th> <th>* &gt;</th> <th></th>	Power Hand Hose Kets Color Holes Fig. 1	SNO	Portable	9 10	Fire	Blan-	Tonte	Sleep- ing Bags		p.ort	0	Out- Bd. Mtrs	wehi- cles	Trail- ers	Trac-	Mtr	* >	
10	10   117   2.2200   2.776   121   69   21   43   13   4   40   35   12   5   7   7   13   60   130			land	Hose	Kets	Louis	1	20	,	22	5 19			17			
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### DEPARTMENT RADIO STATIONS

			NORMAL OF	
DISTRICT	STATION	CALL SIGN	H.F. Kc/s	V.H.F. Mc/s
FORT	Fort Frances	XLN21	4460	46.62
FRANCES	Lac La Croix	XLN22		11
	Atikokan	XLQ71		н
	Rainy River	XLR59	*	10
	French Lake	XMN23		И
	Nym Lake	XLN234	:	19
	Cache Bay	XLN233		10
	Prairie Portage	XLN232	,	"
	Cabin 16	XLN29	"	
	Beaverhouse Lake		н	
	Cabin	XLN275	"	
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32	16	16
	Sioux Narrows	XLR42	19	8
	Dryden	XLN35		
	Nestor Falls	XLN24		
	Vermillion Bay	XLS87		*
SIOUX	Sioux Lookout	XLN37	4460	46.86
LOOKOUT	Red Lake	XLN43	4400	40.00
	Pickle Lake	XLN38	10	11
	Ear Falls	XMN50	н	10
	Big Trout Lake	XLR62	n	
	Ignace	XLN23	н	n
PORT	Port Arthur	XLN45	4580	46.70
ARTHUR	Shebandowan	SLN47	и	19
	Black Sturgeon Lake	XLN48	10	29
	Upsala	XLN2 17	19	11
	Saganaga Lake	XLN218	н	
	Dorion	XMN78		19
	Armstrong	XLN40	19	10
	Sibley Park	XLN285		*
GERALDTON	Geraldton	XIQ35	4580	46.78
	Pays Plat	XLN56	W	19
	Marathon	XLN54	n	
	Killala Lake	XLN55	11	
	Hillsport	XLQ46	H	
	Nakina	XLS53		**
	Longlac	XLS52	n	19
	Macdiarmid	XLN49	H	Ħ
WHITE	White River	XLQ78	4880	46.62
RIVER	Franz	XLN62	10	**
	Wawa	XLN63	11	n
	Mobert	XLN61	n	19
	Manitouwadge Lake	XMN25	10	W

SAULT	Sault Ste. Marie	XLN58	4880	46.78
STE. MARIE	Blind River	XLN65		
		XLN261		
	Ranger Lake Elliot Lake	XLN264	98	
	Peshu Lake	XLQ41	*	
	Pancake Bay	X LR39	*	
	Kirkwood	X LP44		
	Mount Lake	X LR69	*	
	Redrock	X LN64	*	H
	Agawa Bay	X L043	*	
	Mijin Lake	X L024		,
G.OGAMA	Gogama	XLN78	4880	46.82
0.00.11.21	Elsas	XLN79		
	Foleyet	XLN84	в	
	Opishing Lake	XLN42		16
	Ronda	XLP69		
	Marne Lake	XLN283		
CHAPLEAU	Chapleau	XLN82	4880	46.70
	Missanable	XLR52	10	
	Sultan	XL073	n	
	Biscotasing	XLN80	n	18
	Unegam Lake	XLN205	n	
	Racine Lake	XMN77		W
	Wrong Lake	XLP46	*	
SUDBURY	Sudbury	XLN77	4880	46.86
	Skead	XLQ80	**	*
	Espano la	XIQ44		
	Jamot	XLR30	10	
	Massey	XLR29	и	
	Windy Lake	XLR67	н	
	Southbaymouth	XLS86		
	Sandfie ld	XLR68		
	Stinson	XLN239		19
	Fairbank Lake	XLN39		*
	George Lake	XLS85		
	Little Current Panache Lake	XMN24 XLN279		n
	ranache Lake	ALR479		
VA DIIC	Vanuakasina	VI 079	4525	46 96
KAPUS-	Kapuskasing	XLP78	4535	46.86
KASING	Hearst	XLN69		M
	Hornepayne	XLN73	11	
	Oba Nagagamiaia Laka	XLN74		18
	Nagogamisis Lake Remi Lake Park	XLN237 XLN288		19
	Rogers Township	XLR71		
COCHRANE	Cochrane	XLQ 37	4535	46.78
	Timmins	XLN70	19	
	Eades	XLN71	19	*
	Wade Lake	XLQ45	10	*
	Moosonee	XMN43		10
	Smooth Rock Falls	XLQ76		
	Nellie Lake	XLN208		Ħ
	Kettle Lakes Park	XLN2U9		
	56			

SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72	19	H
	Matheson	XLS54		W
	Larder Lake	XLN95		10
	Matachewan	XLN60		n
	Gowganda	XL090		n
	Hills Lake	XL089		
	Englehart	XLR64		
	Burt Twp. Nursery	XLN2 12		
NORTH	North Bay	XLN83	п	n
BAY	Temagami	XLN81	18	19
	Lady Evelyn Lake	XLN42		Ħ
	Latchford	XLN252		n
	McConnell Lake	XLN246		n
		XLN251		19
	Bear Island			19
	Haddo	XLP45		19
	Devils Lake	XLN253		
	Samuel de Champlain	XLN270		10
	Marten River	XLN274		n
PEMBROKE	Pembroke	XLN92	4775	46.82
	Smoke Lake	XLN90	H	
	Brent	XLN91	19	
	Stonecliffe	XLN94	11	19
	Whitney	XL043	19	n
			19	n
	Achray	XLQ47		
	Round Lake	XLR40	19	
	Kiosk	XLN50		"
	Sasajewun Lake	XLN51	Ħ	
	Swan Lake	XLN59		
PARRY	Parry Sound	XLN89	4520	46.62
SOUND	Loring	XLN93		19
	Powassan	XMN35		19
	Byng Inlet	XLS24		28
	Ardbeg	XMN33		n
	Dorset	XMN34		n
		XMN75		10
	Bracebridge	Anina		
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50	11	10
	Palmer Rapids	XLR41	10	10
	Dacre	XLS23	п	11
	Plevna	XLN53	19	19
	White Lake	XLP75		n
	Napanee	XLQ31		11
	Green Lake	XLR61	11	п
				n
	Bon Echo Park	XLN286		**
	Outlet Park	XL098		
	Kingston	XLP33		H
LINDSAY	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	19	n
	Gooderham	XMN27	19	19
	Orono	XMN29		11
	Haliburton	XLR43	19	16
	Presqu'ile Park	XLN4.6		10

LINDSAY (Continued)	Apsley Ranger School Darlington Park Balsam Lake Park	XMN44 XLN25 XLN280 XLN289	4775	46.78
KEMPTVILLE	Kemptville La Rose Westport Fitzroy Park Lanark Alexandria (New Sta	XMN4 1 XMN5 1 XLQ54 XLN272 XL087 ation)	4775	46.62 n n n
LAKE ERIE	Aylmer Holiday Beach Park Wheatley St. Williams Rondeau Park Pinery Park	XL052 XLN267 XLN268 XMN28 XLR60 XLP90	4520	46.62 n
LAKE SIMCOE	Coldwater Severn Falls Honey Harbour Six Mile Lake Angus Sibbald Point Park Bass Lake Park	XMN36 XMN37 XMN39 XLR85 XLN269 XLN284 XLN287		46.82
LAKE HURON	Hespeler Miller Lake Owen Sound Inverhuron Park	XLN271 XLN276 XLN41 XLN61		46.70
HEAD OFFICE Toronto	Island Airport Maple Laboratory Maple	XL053 XLN20 XLP22	4775 3376 4520 4535 4775 4880 5170 5499 9172	46.82 46.62 46.70 46.74 46.78 46.82 46.86

Maple frequently uses 5170 and 9172 Kc/s to reach District Offices. Maple answers aircraft on their own frequency.

### PROVINCE-WIDE FIRE FREQUENCIES

H.F.-- 3376 Kc/s. V.H.F.--46.74 Mc/s.

### DEPARTMENT OF TRANSPORT A IRCRAFT FREQUENCIES

90 channels between 118 and 126.9 Mc/s, inclusive, in increments of 0.1 Mc/s.

### AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D. H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

In 1934 George E. Ponsford became Director.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 23 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system will be installed on ten Otters, 15 Turbo-Beavers and one Twin-Otter in 1967.

W. B. Buckworth was appointed Supervisor on February 19, 1962.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of fifteen have been acquired replacing standard Beavers which have been sold. One twin-Otter was acquired in 1966,

T.C. Cooke was appointed Supervisor on August 1, 1965.

The Section currently operates and maintains a fleet of 41 aircraft to meet flying requirements of the Department and special needs of other Government Departments.

1					1	
TOTAL	174,378:35	13,530:45 11,057:10 12,800:20 11,888:50	12,564:10 12,388:30	17,785:10 11,692:20 12,506:20 12,277:35 11,984:00	12,568:30 14,485:45 12,541:45 14,801:00 13,247:15 12,750:00	396,248:00
Miscel- laneous	75,674	3,968 2,998 3,171 2,959	2,609	2,077 2,053 2,086 2,376 2,169	1,967 1,830 2,297 2,389 2,702 3,603	119,424
Mercy Flights	361	 64 168 56	34	55 44 43 44 45 45	72 33 24 25 25 23	1,147
Photo	1,415	273	186	130		2,700
Inter- Dept.	:	278 232 188 150	398	458 384 327 421 475	470 370 454 560 350 396	6,485
*Research	1,030	303 360 266	386 284	192 199 212 189 228	200 170 201 205 239 255	4,919
Parks	:	::::	::	310 372 345	255 266 386 476 347 283	2,940
Lands	:	110 283 153 149	376	181 180 190 200 209	267 260 230 301 271 418	4,024
Surveys		6	124	128 72 23 23 15	4	663
Fish and Wildlife	2,985	1,645 2,029 2,086 1,980	1,972	2,333 2,289 2,837 3,615 3,569	3,455 3,628 3,862 3,876 3,579	51,545
Timber	4,182	605 938 903 674	1,048	835 986 801 876 883	965 799 923 1,125 1,267 1,088	19,880
Fire	88,732	6,925 4,210 5,498 5,278	6,302	11,396 5,347 5,652 4,275 4,053	4,914 7,130 4,169 5,837 4,467 3,243	Fotal: 182,523
YEAR	1924-	1950 1951 1952 1953	1954	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	Total:
				60		

### AIR SERVICE SUMMARY (Continued)

in years ending March 31st

YEAR	Mercy Flights	Passengers Carried	Personnel Carried	Effect Loads C Tons	
1924-					
1949	• •	165,583	89,206	27,233	1,067
1950		30,687	5,918	3,982	76
1951		27,140	5,140	3,366	1,111
1952		30,439	5,410	3,663	1,616
1953		25,900	5,346	3,078	1,262
1954		31,109	7,245	3,918	605
1955	• •	29,256	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4.871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4,638	975
1962	21	32,749	5,221	8,121	84
1963	16	27,750	4,819	5,657	230
1964	13	33,742	5,545	7,512	132
1965	17	30,235	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
Total:		681,077	181,267	107,172	653

### Hours Flown by HELICOPTERS in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	232	2,099:35
1965	1,423	32	30	424	1,908:50
1966	937	142	136	193	1,408:50

PILOTS		1924-65	1965-66	TOTAL
Allen	D.W.	4,258:35	381:35	4,640:10
Ballantyne	D.E.	3,000:10	338:25	3,338:35
Beaushene	G.D.	4,932:00	401:10	5,333:10
Bieck	А.Н.	2,712:10	424:35	3,136:45
Burtt	A.E.	9,374:15	337:20	9,711:35
Calver	D.R.	4,334:00	393:00	4,727:00
Campbe 11	G.E.	6,468:35	506:15	6,974:50
Colfer	A.P.	8,735:50	529:55	9,265:45
Cooke	T.C.	8,502:20	129:35	8,631:55
Cram	W.W.	2,119:40	233:10	2,352:50
Croft	B.R.	2,473:05	44:15	2,517:20
Croal	D.M.	3,318:00	511:20	3,829:20
Culliton	J.E.	1,103:35	293:15	1,396:50
Denley	J.G.	8,406:40	215:45	8,622:25
Evans	F.B.	5,425:25	273:30	5,698:55
Fiskar	U.W.	5,357:45	405:45	5,763:30
George	R.H.		146:25	146:25
Glennie	N.A.	3,858:00	314:50	4,172:50
Good	S.D.		251:40	251:40
Hoar	н.А.	3,578:40	211:50	3,790:30
Hoeberg	P.S.	4,243:20	496:10	4,739:30
Howe	F.R.	362:55	206:00	568:55
Kirk	C.J.	5,636:05	248:40	5,884:45
Lamont	J.A.	4,742:25	268:45	5,011:10
LeFeuvre	C.J.	10,341:25	361:20	10,702:45
Lowe	В.	2,258:40	280:20	2,539:00
Marych	Ε.	284:35	291:50	576:25
McLeod	A.A.		336:55	336:55
McLeod	A . K .	105:30	291:20	396:50
McNabb	D.D.	244:50	3 12 : 15	557:05
MacDouga11	F.A.	5,487:00	92:25	5,579:25
North	D.H.	1,939:00	381:20	2,320:20
Parsons	R.	8,153:05	202:55	8,356:00
Pike	S.J.	1,684:00	587:55	2,271:55
Siegel	J.	6,198:00	312:40	6,510:40
Speight	H.C.	9,539:20	446:10	9,985:30
Taylor	J.M.	3,710:40	59:20	3,770:00
Thomas	E.	4,522:30	272:25	4,794:55
Thompson	F.J.	3,842:00	312:55	4,154:55
Turcotte	L.J.	2,429:10	301:45	2,730:55
Weisflock	E.J.	348:00	340:20	688:20
Other Pilots		220,377:50	2:40	220,380:30
TOTAL HOURS		384,409:05	12,750:00	397,159:05

### AIRCRAFT SERVICE RECORD, March 31, 1966

48 AIRCRAFT	Year Purchased	Effective Loads Carried (Tons) 1965-66	FLY 1965-66	ING HOURS 1924-6
33-BEAVER		2000		
CF-0BS	1948	124	292:55	6,482:1
CF-OCA	1948	47	289:30	4,978:1
CF-OCB	1948	128	355:40	6,112:2
CF-OCC	1948	94		5,408:0
			170:15	
CF-OCD	1949	89	278:45	4,900:4
CF-OCE	1949	148	281:10	5,891:5
CF-0CG	1949	71	204:15	4,445:5
CF-OCH	1949	27	101:55	5,132:4
CF-OCJ	1949	97	213:50	4,988:1
CF-OCK	1949	77	237:40	5,193:1
F-OCL	1949	36	209:40	4,568:0
F-OCN	1949	75	258:50	5,591:1
CF-OCO	1949	***	:20	5,295:4
	1949			6,307:0
CF-OCP		108	416:20	5,30/10
F-0CQ	1949	37	143:15	5,922:1
F-OCS	1949	4	42:30	4,923:1
F-OCT	1949	94	406:45	5,800:1
F-0CU	1950		:20	5,063:0
CF-OCV	1950	53	277:30	4,849:5
F-0CX	1950	76	304:05	4,833:1
F-0CY	1950	28	111:40	4,550:1
F-0CZ	1950	80	213:55	3,747:5
F-ODA	1951	80	407:00	4.350:5
F-ODB	1951	51	273:35	5,184:3
F-ODC	1951	85	344:50	5,958:4
CF-ODD	1951	154	559:30	2,388:5
CF-ODE	1951	52	328:55	4,070:2
CF-ODF	1952	50	197:40	4,173:0
CF-ODG	1952	91	350:10	5,318:3
CF-ODO	1955	2	92:25	1,140:0
CF-ODS	1956	58	275:05	1,182:5
10 OTTER				
F-ODJ	1953	131	291:55	4,036:
F-ODK	1953	378	252:50	3,232:3
F-ODL	1953	267	291:20	3,805:5
F-ODP	1956	239	305:10	2,729:
F-ODQ	1956	131	302:45	3,132:5
F-ODU	1960	278	264:15	1,863:2
CF-ODV	1961	183	345:40	2,581:3
CF-ODW	1961	210	315:35	1,680:2
F-ODX	1962	388	483:40	1,172:3
F-ODY	1962	156	260:45	894:1
VIDGE ON CF-ODR	1956	13	147.15	2,140:5
		13	167:15	2,140:3
TURBO BEA		9.0	250.50	453.2
CF-OEA	1965	80	350:50	451:3
F-OEB	1965	28	197:50	239:5
CF-OEC	1966	64	261:40	261:4
CF-OED	1966	174	419:40	419:4
F-OEE	1966	97	350:15	350:1
CF-OEF	1966	56	248:20	248:2
otal, All	Other Aircraf	't since 1924		218,203:]
OTAL		4,999	12,750:00	396,248:0

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### AIR SERVICE BASE OPENING DATES (or First Float Flying)

fear Round B

*Year Round Base								
BASE	1944	1945	1946	1947	1948	1949	1950	1951
n n n	3 May	26 Anril	30 April	8 May	19 April	2 April	17 May	29 April
*Algonquin Fark	J ridy							
Carey Lake	TO May	12 May	23 May	3 June	19 May	9 May	I June	20 Amil
Caribou Lake	17 /143	Car			8 May	10 May	16 May	SU APLII
*Chapleau	7 May	26 April	22 April	17 May			20 May	•
000			:			1 May		10 May
*Eva Lake			77 April	20 May	11 May	30 April		7 May
Fort Frances	15 May	27 April	/ nay	ZU May	14 1103	A May		9 May
*Geraldton					27 April	20 Anril		24 April
*Gogama			1 Mov.	20 May	10 May	3 May	22 May	9 May
Ignace	19 May	12 May	A PIGS	for or				
)							• • • • • •	10 May
Kenogami Lake				20 Morr	8 May	3 May	22 May	10 May
*	20 May	10 May	14 May	20 May	o may			
Tanzon Lake						10 Mo.:		8 May
Obe Tabe		5 May	7 May	27 May	5 May	10 May	23 May	
Orient Bav.	23 May	23 May	7 May	12 June	18 May	12 May		
	•					10 4	17 April	17 Anril
Position of the second				6 May		15 April	11 Idw /7	o More
Parry Sounds	Nav C	9 May	30 April	14 May		7 May	18 May	17 May
rays rate	Carr		26 May	2 June		9 May	3 June	17 May
Pickle Lake		2 May	30 April	16 May		30 April	19 May	2 May
*Port Arthur	10 May	10 May	7 May	26 May	13 May	3 May		Is May
Ked Lake		2						
	17 Man	3 May	15 May	2 June	10 May	4 May	23 May	o hay
Remi Lake	17 Anni 1	10 Anril		30 April	14 April	7 April	6 April	9 April
*Sault Ste. Marle	11 1dw /7	10 May	3 May	20 May	12 May	1 May	27 May	12 May
*Sioux Lookout	TO MAY	To Hay	2 May	27 May	1 May	3 May	19 May	30 April
South Porcupine	0 160.0	1 May	13 Anril	14 May	27 April	25 April	12 April	25 April
*Sudbury	o May	I may	a a a day or		•			
	We Man	20 Anril	23 April	17 May	27 April	20 April	15 May	1 May
Temagami	C True							1 Mo.v.
Turin labor	18 May	12 May	22 May	8 June	14 May	12 May	SO May	Carry T
THIN LANCOUSE								
White Kiver								

*Year Round Base	4	AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)	NING DATES (or Fin	rst Float Flying) (C	continued)		
BASE	1952	1953	1954	1955	1956	1957	1958
*Algonquin Park Carey Lake Caribou Lake *Chapleau Eva Lake	24 April 10 May 7 May 8 May 30 April	21 April 15 May 14 May 8 May 29 April	29 April 18 May 27 May 4 May 17 May	21 April 30 April 1 May 22 April 28 April	11 May 27 May 1 June 14 May 16 May	25 April 7 Nay 13 May 3 Nay 6 May(Move	23 April 9 May 15 May 24 April edto Nym Lake)
*Fort Frances  *Geraldton  *Gogama Ignace Kenogami Lake	1 May 5 May 23 April 1 May 2 May	4 Nay 7 Nay 29 April 5 Nay 7 Nay	13 May 18 May 3 May 18 May 9 May	27 April 27 April 22 April 28 April 26 April	16 May 17 May 14 May 16 May 22 May	29 April 7 May 1 May 6 May 10 May	18 April 5 May 28 April 2 May 4 May
*Kenora Lauzon Lake Lauzon Lake 9 Uba Lake 9 Uba Lake 10 Tient Bay Parry Sound Pays Plat Pays Plat Pays Plat Pays Plat Plake	1 May 8 May 7 May 23 April 7 Nay 7 Nay 7 Nay	7 Nay 18 April 10 Nay 8 Nay 30 Nar. 6 Nay 13 Nay 13 Nay	18 May 28 April 15 May 21 May 20 April 11 May 2 June 7 Man	27 April 19 April 28 April 1 Nay 18 April 4 Nay 6 Nay 6 April 22 April	17 May 7 May 7 May 16 May 1 June 3 May 1 June 3 June 3 O April	6 May 29 April 9 May 13 May(Move 28 April 6 May 13 May 29 April	15 April 2 May 4 May 4 May 4 May 30 April 21 April 2 April 2 May 16 May 30 April
Red Lake  Remi Lake  *Saltt Stre Narie  *Sioux Lookout  Sourh Porcupine.	3 May 2 May 7 April 3 May 1 May 28 April	8 Nay 13 Nay 27 Nar. 7 Nay 5 Nay 20 April	21 May 19 May 13 April 20 May 5 May 29 April	28 April 29 April 19 April 27 April 19 April	19 Nay 21 May 3 Nay 19 Nay 15 Nay 9 Nay	y may 6 May 29 April 10 May 6 May 1 May	7 May 26 March 1 May 2 May 18 April
Temagami *Toronto Tweed Twin Lakes	1 May 30 April 16 May	28 April 21 April 13 May	4 May 18 April 22 May 18 May	26 April 22 April 6 May 29 April	17 May 20 April 17 June 21 May	3 May 22 April 28 April 10 May 10 May	2 May 20 April 18 April 13 May 2 May

# AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

\*Year Round Base

1966

1965

		25 May	1 April	V Way	C ried	l April	16 July		19 May	6 April		25 April	29 May		2 April	9 May	:				25 May			2 April					5 April	anade or	19 May		
		13 May							10 May				11 May		4 May						12 May						14 May				11 May		
	_	13 May	_			1		I May	8 May	4 May	8 May		30 April	8 May		TIIDW C7	o may	25 April	17 May	5 May	10 May	6 May		3 April							11 May		
roe T	0.4 4	24 April	20 May	29 April	25 April				8 May				22 April	8 May		22 April	23 April	22 Anril	ALIGN CZ	E May	S May	o May	7 1443				24 April		17 April	18 April	15 May	15 May	
1962		3 May	13 May	Vall 7	May				11 May				26 April	16 May	15 May	25 April	11 May				16 May			2 Anril	Nav X	9 May	27 April	9 May	/ Anril	or Annil	22 May	15 May	
1961			10 May						10 May								10 May		plica	_	19 May	_					10 May	17 May			25 April		
1960			23 May						5 May								12 May				13 May		19 May					4 ridy			28 April		
1050	n ca T	1	12 May					10 May	6 May	8 May	12 May	30 April		20 April	8 Hay	11 May	27 April	8 May					12 May		8 April	14 May	8 May	1 May	8 May	28 Anril	27 April	15 May	14 1143
	BASE		*Algonquin Fark	Carey Lake	Caribou Lake	#Est Erabes	Lor Campana	400	"Geraid ton	Logama	Agnace	*V	renora	lauzon Lake	Nym Lake	Oha Lake	Parry Sound	Pays Plat		Pembroke	Pickle Lake	*Port Arthur	Red Lake	Remi Lake	#C1+ S+o Marie.	*Siony Lookout.	South Porcupine.	*Sudbury	Temagami		Tweed	Twin Lakes	White River

NEW POLICIES
,

NEW POLICIES

### LANDS AND SURVEYS BRANCH

### SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland		
Northern District of		
North America	1752-1802	Surveyor-General.
Sir D. W. Smith		
First Surveyor		
General or Province		
for Upper Canada	1792-1804	Surveyor-General
C.B. Wyatt	1805-1807	Surveyor-General
Thomas Ridout	1810-1829	Surveyor-General
Hon. S. P. Hurd	1832-1835	Surveyor-General
J. Macaulay	1836-1838	Surveyor-General
Hon. R. B. Sullivan	1.838 - 1840	Surveyor-General
Thos. Parke	1841-1845	Surveyor-General
G. B. Kirkpatrick	1880-1917	Director of Surveys
L. V. Rorke	1918-1928	Director of Surveys
L. V. Rorke	1928-1936	Deputy Minister/
		Surveyor-General
C. H. Fullerton	1936-1946	Surveyor-General
F. W. Beatty	1946-1962	Surveyor-General
Robert G. Code	1962-	Surveyor-General

- Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.
- † Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.
- ‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning added in 1958 and Engineering Section added in 1962. Land Acquisition Section was created in 1963. Land Use Planning Section merged with Land Acquisition in 1966 as Land Acquisition and Planning Section.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

### LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

### LANDS SECTION

Supervisor: R. S. Hyslop
Management of public lands including
lands under water. Disposal by sale,
patent, vesting order, quit claim deed, lease,
licence of occupation or land use permit for many
private, commercial, industrial, municipal or public uses; release of reservations in patents, assignments, cancellations. Reservation of land for
parks, access points, other public and government
uses. Processes recommendations for the establishment of Wilderness Areas including nature
reserves.

### SURVEYS SECTION

Supervisor: S. B. Panting

Surveys and descriptions on Crown lands for parks, Base and Meridian lines, summer resort and recreational purposes, lands for acquisition or disposition. Retracement surveys and restoration of original Crown survey points.

Inspection, recording and custody of original plans and field notes of Crown and Municipal surveys.

Map compilation. Authorization of Geographical Names.

Distribution of maps, publications and copies of survey records.

Accounts payable, supplies and equipment.

### ENGINEERING SECTION

Approval of dams. Licences of occupation for dams, flooding and diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements. Plans for buildings, renovation of plant and equipment. Engineering consultations. Access Roads.

### LAND ACQUISITION AND PLANNING SECTION

Supervisor: W.G. Maslen

Recommendations and applications for purchase of private lands for water access, hunting, fishing forestry and recreation and other public uses. Supervision of the preparation of Land Use plans. Advisory Committee on Recreational Land Use Planning. Private Lands Liaison Committee.

### SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818 1787-1813 1818-1829 1829-1851 1835-1906 1859		single front front and rear double front 2, 400-acre block 1, 000-acre block Townships 6 miles square no road allowances Townships divided into 36
1872	-	sections. Townships 6 miles square - no road allowances - 6 concessions and 12 lots.
1876	-	Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road
1906	-	allowances around each section. 1,800-acre blocks.

Since the first township was surveyed in 1783, 1, 172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1, 386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 204 township subdivision surveys have been annulled, as of December 30th, 1964, under the provisions of Section 10 (1) of the Public Lands Act; the first annullment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to October 30, 1966, a total of 716 plans of subdivision for summer cottage purposes have been registered, covering 8, 684 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1966, the total installed capacity of power plants under lease and in service is 4,861,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,218,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

The highest known point in Ontario is Ogidaki Mountain, located in Township 24, Range 12, Algoma District - elevation 2, 183 feet,

### LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

### LAND ACQUISITION AND PLANNING SECTION

This section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

Since 1965 this section also supervises and co-ordinates the functioning of Land Use Planning. The recreational Land Use Planning Advisory Committee was established by Order-In-Council to advise on recreational planning in the departmental administrative districts.

The Private Lands Liaison Committee is a joint committee with the Department of Agriculture to deal with common problems.

The request for land for recreational use has increased greatly since 1948. The Department adopted the policy of zoning areas to ensure orderly development of public lands.

Under the Canada Land Inventory the Province agreed to co-operate with the Government of Canada in carrying out a capability inventory of the timber, wild life and recreation resources in the province. The inventory is designed to produce maps and data on soil and site capability for resource management uses.

### PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

### LAND ACQUIRED BY CROWN

### Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484*	1,989	15,130	22,603

<sup>\*</sup>Figures for previous calendar year ending December 31.

### DISPOSITION OF LAND BY PATENT - DOCUMENTS

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri- cultural	Summer Resort	Town, City Townplot	Quit Claims	Misc	Total
1922 1923 1924 1925 1926	460 411 357 367 367	328 471 399 329 392	12 18 22 45 24	50 51 73 115 102			850 951 851 856 885
1927 1928 1929 1930 1931	251 255 220 245 205	336 252 318 460 437	12 26 15 122 126	110 99 79 74 72			609 632 632 901 840
1932 1933 1934 1935 1936	15 1 88 154 46 162	357 188 173 58 187	129 122 112 44 101	70 70 69 21 68			707 495 528 177 530
1937 1938 1939 1940 1941	111 165 130 151 154	104 213 178 148 172	149 165 129 106 126	53 53 122 106 86			433 603 590 527 552
1942 1943 1944 1945 1946	131 181 218 226 216	137 161 359 315 321	98 127 231 206 277	85 50 76 108 130			474 541 954 929 1,049
1947 1948 1949 1950 1951	168 164 107 196 150	433 299 225 316 256	496 446 756 1,046 1,125	249 153 146 182 143			1,491 1,062 1,421 1,927 1,849
1952 1953 1954 1955 1956	165 120 136 87 59	242 256 256 188 118	1,294 1,263 1,312 1,479 1,384	90 126 99 70 85			1,948 1,935 1,957 1,987 1,778
1957 1958 1959 1960 1961	40 13 36 44 29	126 150 118 109 108	1,164 962 1,220 1,946 1,841	7 69 104 102 94			1,469 1,346 1,587 2,368 2,231
1962 1963 1964 1965 1966	25 30 18 11 12	94 84 88 62 37	2,234 1,418 1,088 977 883	108 106 70 46 46	40 23 24 22 15	158 146 140 128 99	2,659 1,807 1,428 1,246 1,092

### DISPOSITION OF LAND BY PATENT - ACREAGE

in years ending March 31st (October 31st up to 1934)

Year	Free Grant	Agri- cultural	Summer Resort	City, Town Townplot	Quit Claims	Misc.	Total
1922 1923 1924	64,813 54,350 52,423	43,120 56,953 49,471	70 55 72	90 45 25			108,093 111,403 101,991
1925 1926	49,228 47,115	41,777 47,493	101 58	31 35			91,137 94,701
1927 1928 1929	33,882 35,903 30,185	42,326 31,069 41,035	31 55 31	37 127 34			76,276 67,154
1930 1931	33,243 27,310	51,059 49,310	400 526	112 135			71,285 84,814 77,281
1932 1933	19,334 12,053	40,276 22,087	360 378	81 612			60,051 36,439
1934 1935 1936	19,662 5,707 21,340	22,749 7,329 22,999	366 128 349	18 10 43			42,837 13,282 44,777
1937 1938	14,658 20,490	12,331 27,266	423 402	24 122			27,523 48,418
1939 1940 1941	17,569 18,206 16,064	20,575 17,236 20,154	523 522 469	130 126 20			40,817 36,279 36,849
1942 1943	14,973 20,387	15,798 18,615	361 422	31 18			33,308 41,430
1944 1945 1946	28,611 29,266 26,068	43,846 36,308 36,683	660 1,526 781	32 50 130			76,920 70,993 74,158
1947 1948	21,669 22,119	52,190 32,930	1,765 1,154	175 166			89,072 56,369
1949 1950 1951	14,360 24,287 19,826	26,435 35,484 28,105	1,985 2,616 2,205	67 112 94			55,979 118,960 55,702
1952 1953	21,412 29,319	26,474 29,319	3,364 2,287	38 69			58,606 54,738
1954 1955 1956	29,124 21,266 7,502	29,124 21,266 12,206	2,169 2,438 1,588	63 27 1,613			55,237 40,020 29,183
1957 1958	5,259 1,847	14,883 15,472	1,411 1,350	830 323			27,558 24,612
1959 1960 1961	4,658 5,910 3,701	12,206 11,380 11,633	1,588 2,011 1,933	52 295 182			21,060 29,970 22,388
1962 1963	2,670 3,939	10,267 9,512	2,415 1,494	63 65	3,409 1,387	4,091 4,863	22,915 21,260
1964 1965 1966	2,385 1,319 1,306	8,783 6,468 3,682	1,092 981 925	221 15 13	4,152 1,916 927	6,625 16,668 2,345	23,258 27,367 9,198

FREE GRANT LAND in years ending March 31st

Patents Acres	28,610 29,266 26,068	21,668 22,119 14,360 24,287 19,826	21,411 16,131 17,713 11,219 7,501	6,089 6,483 4,658 5,911 3,701	2,670 3,939 2,385 1,319 1,306
No.	218 226 216	168 164 107 196 150	165 120 136 87 87	744 348 448 448	25 30 18 11 12
Assignments Acres	11,310 14,441 14,214	15,523 8,415 7,085 7,200 7,747	5,060 3,452 2,618 1,005 517	151 156 160 50 156	100
Assig. No.	89 116 120	122 64 54 56	37 19 7 7	нннна	• • • • • • • • • • • • • • • • • • • •
ations Acres	64,783 83,655 61,459	51,906 48,578 30,536 40,732 35,371	19,785 21,874 30,784 25,755 12,661	8,727 6,950 4,689 9,799	5,033 7,979 1,222 2,721 2,756
Cancellations No.	528 678 545	23 24 4 5 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	159 181 250 209 114	78 80 84 89 89	27172 14284
Locations Acres	2,694 2,308 7,737	8 8,243 8,649 5,872 6,192	2,708 2,411 1,823 2,708	878 796 462 386	
N.	20 21 20	73 74 78 78 78 78	27 36 17 17	0044	: :::::
Year	1944	1946 1947 1948 1950	84 1952 84 1953 1954 1954	1957 1958 1959 1960	1961 1962 1963 1964 1965

Patents	43,845	36,683 52,189 32,929 26,435 35,483 28,104	26,474 29,319 29,123 21,265 17,892	14,882 15,471 11,644 10,980	10,267 9,512 8,783 6,468 3,682
Z	359	321 299 225 316 256	242 256 256 188 148	126 150 110 105	94 88 37 37
Assignments Acres	20,124	22,801 21,667 12,392 12,145 7,673	7,313 7,560 4,484 4,1884 3,008	1,461 1,227 2,11 1,531	80 80 80 80
No.	177	222 222 185 105 113 69	71 70 50 92 26	15 7 12 3 15	4rv
Cancellations Acres	39,615 49,651 42,933	29,470 37,069 35,095 32,452 22,134	13,358 21,645 13,049 17,377 18,513	19,038 17,087 13,788 5,788 9,133	5,892 5,868 810 4,778 2,860
Ca) No.	445 562 438	338 402 378 327 221	143 221 131 161 184	191 174 141 59 94	25 4 9 9 8 8 9 9 8 8 9 9 9 8 9 9 9 9 9 9 9
Sales	31,934 27,158 26,535	29,757 29,506 28,740 26,671 19,228	24,420 21,965 14,534 15,232 12,230	8,683 10,543 10,607 6,758 3,808	1,102 284 549 1,384 1,084
No.	325 269 281	303 280 277 267 195	223 186 144 158 117	, 82 101 101 68 35	10 5 6 16 12
Year	1944 1945 1946	1947 1948 1949 1950	1952 1953 1954 1955 1956	1957 1958 1959 1960 1961	1962 1963 1964 1965 1966

SUMMER RESORT LAND in years ending March 31st.

Surveys	330	388 692 1,199 1,435	1,800 1,458 1,752 1,670 1,269	1,207 2,083 2,660 2,307 2,935	2,577 1,374 1,374 726 838
s Acres	1,525 781	1,764 1,153 1,984 2,613	3,363 2,287 2,168 2,438 2,089	1,411 1,350 1,588 2,010 1,929	2,415 1,494 1,092 925
Patents No.	231 206 277	496 446 756 1,046	1,294 1,263 1,312 1,479 1,384	1,164 1,220 1,946 1,840	2,234 1,418 1,088 883
Assignments Io. Acres	325	186 139 107 95	319 127 72 42 17	11. 2.2.3.3.5. 2.5.5.3.3.5.	28 7 8 8 2 8 2 8 9 3 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
Assig No.	3 9 14	200 200 200 200 200	35 40 37 28 12	17 13 19 29 25	22 11 6 3
Cancellations No. Acres	25 35 35	6 69 218 610 112	148 183 447 166 183	124 53 28 72	77 29 19 33 21
Cand No.	10 111	974 972 772 773	75 73 76 84 108	61 33 33 33 58	55 17 32 23
Sales	948 1,180 1,411	1,841 1,700 2,336 2,512 2,484	2,769 2,278 2,133 1,871 1,614	1,678 2,517 2,345 1,543	1,377 1,068 1,068 824 863
Sal No.	344 459 535	666 700 1,010 1,202 1,360	1,601 1,290 1,435 1,278 1,176	714 1,344 2,155 2,418 1,557	1,391 1,131 1,912 881 856
YEAR	1944 1945 1946	1947 1948 1949 1950 1951	1952 1953 1954 1955 1956	1957 1958 1959 1960 1961	1962 1963 1964 1965

# CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

2.39         27         6.67         249         175.39           17.182         22         8.904         146         66.34           1.668         11         21.764         182         111.6035           30.65         10         2.2145         143         94.3345           1.695         10         1.576         90         38.274           1.382         2         0.378         126         68.950           2.3.08         7         1.682         99         63.0438           5.04         7         1.44         85         1,613.190           6.06         7         1.44         85         1,613.190           7         1.159         4         0.94         60.97           1.159         4         0.97         10.97         10.97           1.1872         4         0.94         99         75.94         3           2.708         8         0.94         91         75.94         3           3.318         5         0.98         91         25.618         3           2.840         1         0.34         45         15.247         7           2.840	2.39         27         6.67         249         175.39           17.182         22         8.904         146         66.634         6.634           1.668         10         2.2145         143         94.3345         94.3345           1.695         10         1.576         90         38.274         94.3345           1.382         2         0.378         126         68.590         63.0438           5.271         1         2.39         70         65.651         66.651           5.04         2         0.37         85         1,613.190         7           6.06         7         1.44         85         1,613.190         7           1.159         4         0.37         85         1,613.190         7           2.109         4         0.978         101         37.990         3           1.1872         4         0.978         101         25.618         3           5.708         8         2.885         99         5.618         3           6.318         8         2.885         99         5.618         3           6.318         9         2.847         7         2	Sales	Canc No.	Cancellations No. Acres	Assi No.	Assignments , Acres	No.	Patents Acres	Quit Cla	Juit Claim Deeds No. Acres
17.182     2.2     8.904     146     66.634       1.695     10     2.2145     143     94.3345       1.695     10     1.576     90     38.274       13.82     2     0.378     126     68.950       23.308     7     1.682     99     63.0438       5.271     11     2.39     63.0438       5.04     2     0.37     85     70.651       6.06     7     1.44     85     1,613.190       1.159     4     0.98     69     323.050       2.109     4     0.941     99     75.994     3       1.1872     4     0.941     99     75.994     3       3.318     5     0.98     91     75.994     3       5.708       105     45     12.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.34     45     12.549     1       2.840     1     0.34     45     12.549     1	17.182         2.2         8.904         146         66.634           1.668         11         21.764         182         111.60195         111.60195           30.05         10         1.576         90         38.274         94.3345           13.82         2         0.378         126         68.950           23.308         7         1.682         99         63.0438           5.271         11         2.39         70         26.651           6.06         7         1.44         85         1,613.190           7         1.44         85         1,613.190           8         0.978         101         323.050           1.1872         4         0.978         101         35.050           1.1872         4         0.941         99         75.994         3           3.318         8         2.885         99         36.547         7           6.318         8         2.885         99         33.547         7           4.892         1         0.24         45         15.019         1           2.140         1         0.24         45         12.254         1 <td>137.92</td> <td>6</td> <td>2.39</td> <td>27</td> <td>6.67</td> <td>249</td> <td>175.39</td> <td></td> <td>:</td>	137.92	6	2.39	27	6.67	249	175.39		:
17.182   22 8.904   146   66.634   1.668   11 2.7764   182   111.60195   1.668   10 2.245   182   111.60195   11.60195	17.182         22         8.904         146         66.634           1.668         11         21.764         182         111.60195           30.05         10         2.2145         143         94.3345           1.695         10         1.576         90         38.274           23.308         7         1.682         99         68.950           23.308         7         1.682         99         68.950           5.04         7         1.44         85         1,613.190           6.06         7         1.44         85         1,613.190           7         1.44         85         1,613.190         3           8         0.97         10         323.050         3           1.1872         4         0.98         69         323.050         3           1.1872         4         0.941         99         75.994         3           5.708         9         0.98         91         25.018         3           6.318         8         2.885         99         36.547         7           6.318         1         0.24         45         15.019         1			•	•			• • •		•
1.668         11         21.764         182         111.60195         .           30.05         10         2.2145         143         94.3345         .           13.82         2         0.378         126         68.950         .           23.308         7         1.682         99         65.043         .           5.04         7         1.682         99         65.043         .           6.06         7         1.682         99         65.043         .           6.06         7         1.44         85         1.613.190         .           7         1.44         85         1,613.190         .         .           8         0.97         8         1,613.190         .         .           1.159         4         0.98         69         322.050         .           1.187         4         0.98         91         25.018         3           1.187         5         0.98         91         25.618         3           5.708            7         7           6.38         9         2.885         99         36.547         7 <td>1.668         11         21.764         182         111.60195         .           30.05         10         2.2145         143         94.3345         .           13.82         2         0.378         126         68.950           23.308         7         1.682         99         63.0438           5.271         11         2.39         70         26.651           6.06         7         1.44         85         1,613.190           7         1.44         85         1,613.190         .           1.159         4         0.37         85         10.633         .           2.109         4         0.986         69         323.050         .           1.1872         4         0.941         91         75.994         3           3.318         5         0.98         91         25.618         3           5.708           9         36.547         7           6.318         8         2.885         99         38.547         7           4.892         1         0.24         45         15.019         1           2.140         1         0.24<td>969 89</td><td>17</td><td>17.182</td><td>22</td><td>8.904</td><td>146</td><td>66.634</td><td>•</td><td>•</td></td>	1.668         11         21.764         182         111.60195         .           30.05         10         2.2145         143         94.3345         .           13.82         2         0.378         126         68.950           23.308         7         1.682         99         63.0438           5.271         11         2.39         70         26.651           6.06         7         1.44         85         1,613.190           7         1.44         85         1,613.190         .           1.159         4         0.37         85         10.633         .           2.109         4         0.986         69         323.050         .           1.1872         4         0.941         91         75.994         3           3.318         5         0.98         91         25.618         3           5.708           9         36.547         7           6.318         8         2.885         99         38.547         7           4.892         1         0.24         45         15.019         1           2.140         1         0.24 <td>969 89</td> <td>17</td> <td>17.182</td> <td>22</td> <td>8.904</td> <td>146</td> <td>66.634</td> <td>•</td> <td>•</td>	969 89	17	17.182	22	8.904	146	66.634	•	•
30.05     10     2.2145     143     94.3345       1.695     10     1.576     90     38.274       13.82     2     0.378     126     68.950       23.308     7     1.682     99     63.0438       5.27     11     2.39     70     26.651       6.06     7     1.44     85     1,613.190       5.04     2     0.37     85     70.632       2.109     4     0.86     69     32.305       1.159     4     0.941     99     75.994     3       1.1872     4     0.941     99     75.994     3       3.318     5     0.98     91     75.994     3       5.708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.82     1     0.34     45     15.264     1       1     0.34     45     15.264     1	30.05         10         2.2145         143         94.3345         .           1.695         10         1.576         90         38.274         .           13.82         2         0.378         126         68.950         .           2.3 308         7         1.682         99         63.0438         .           5.271         11         2.39         70         26.651         .           6.06         7         1.44         85         1,613.190         .           7         1.44         85         1,613.190         .           7         1.44         85         1,613.190         .           8         0.37         85         70.632         .           1.159         4         0.86         69         32.050         3           1.1872         4         0.941         91         25.618         3           5.708          0.98         91         25.618         3           6.318         8         2.885         99         36.547         7           6.318         9         0.24         45         15.019         1           2.140 <t< td=""><td>102.906</td><td>2</td><td>1.668</td><td>11</td><td>21.764</td><td>182</td><td>111,60195</td><td>٠</td><td>:</td></t<>	102.906	2	1.668	11	21.764	182	111,60195	٠	:
1.695     10     1.576     90     38.274       13.82     2     0.378     126     68.950       5.271     11     2.39     63.0438       5.27     11     2.39     70     26.651       6.06     7     1.44     85     1,613.190       1.159     4     0.37     85     70.632       2.109     4     0.94     10     37.990       1.1872     4     0.941     99     75.994     3       3.318     5     0.98     91     75.994     3       5.708       105     61.243     3       5.718      2     67     218.82       6.318     8     2.88     99     36.547     7       4.82     1     0.34     45     15.501     1       2.84     1     0.34     45     15.501     1	1,695         10         1,576         90         38.274            13.82         2         0,378         126         68.950            2.3 308         7         1,682         99         66.951            5.271         11         2,39         70         26.651            6.06         7         1,44         85         1,613.190            1.159         4         0.86         69         320.60            2.09         4         0.978         101         37.990         3           1.1872         4         0.941         99         75.618         3           3.318         5         0.98         91         25.618         3           6.318         8         2.885         99         36.547         7           6.318         9         2.885         15.019         1           2.140         1         0.24         45         15.019         1	56.996	15	30.05	10	2.2145	143	94.3345	•	•
13.82     2     0.378     126     68.950       5.271     11.682     99     63.0438        5.04     1     2.39     7     26.651        5.04     2     0.37     85     1,613.190        1.159     4     0.86     69     323.050        2.109     4     0.978     101     37.950     3       1.1872     4     0.941     99     75.994     3       5.708      91     25.618     3       5.708      91     25.618     3       6.318     8     2.885     99     36.547     7       4.82     1     0.34     45     15.547     1       2.840     1     0.34     45     15.5019     1	13.82         2         0.378         126         68.950         .           5.271         11.882         99         63.0438         .           5.271         11.44         85         1,613.190         .           5.04         2         0.37         85         70.632         .           1.159         4         0.86         69         32.050         .           2.109         4         0.978         101         37.990         3           1.1872         4         0.941         99         75.990         3           5.708          10.98         91         25.618         3           6.318         8         2.885         99         36.547         7           6.318         1         0.34         45         15.019         1           2.140         1         0.24         45         12.254         1	252.47	7	1.695	10	1.576	90	38.274	•	:
23.308     7     1.682     99     63.0438       6.06     7     1.44     85     1,613.190       5.04     2     0.37     85     70.632       1.159     4     0.37     85     70.632       1.189     4     0.978     101     37.990       3.318     5     0.98     91     25.618     3       5.708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.24     45     15.254     1       2.840     1     0.34     45     15.254     1	23.308     7     1.682     99     63.0438     65.0438       6.06     7     1.44     85     1,613.190     .       5.04     2     0.37     85     70.632     .       1.159     4     0.978     101     37.990     3       2.109     4     0.978     101     37.990     3       1.1872     4     0.941     99     75.994     3       5.708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.24     45     12.254     1       2.140     1     0.24     45     12.254     1	64.7477	19	13.82	7	0.378	126	68.950		:
5.271     11     2.39     70     26.651       6.06     7     1.44     85     1,613.190       5.04     2     0.37     85     70.632       1.159     4     0.86     69     32.050       2.109     4     0.941     99     75.994     3       1.1872     4     0.941     99     75.994     3       3.318     5     0.98     91     25.618     3       5.708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.34     45     15.519     1       2.840     1     0.34     45     15.254     1	5.271     11     2.39     70     26.651       6.06     7     1.44     85     1,613.190     .       5.04     2     0.37     85     70.632     .       1.159     4     0.978     101     37.990     3       2.109     4     0.978     101     37.994     3       1.1872     4     0.941     91     75.994     3       3.318     5     0.98     91     25.618     3       6.318     8     2.885     99     36.547     7       6.318     8     2.885     99     36.547     7       2.489     1     0.24     45     15.019     1       2.140     1     0.24     45     12.254     1	28.604	. 00	23.308	7	1.682	66	63.0438		•
5.04     2     0.37     85     1,613.190       5.04     2     0.37     85     70.632       2.109     4     0.97     101     37.950       2.189     4     0.941     99     75.994       3.318     5     0.98     91     75.994       5.708      105     6.243     3       5.708      105     36.547     7       4.82     9     36.547     7       4.82     1     0.34     45     15.519     1       2.840     1     0.34     45     15.019     1	5.06         7         1.44         85         1,613.190         .           5.04         2         0.37         85         70.632         .           1.159         4         0.86         69         33.050         .           2.109         4         0.978         101         37.990         3           1.1872         4         0.941         99         75.994         3           5.708          105         61.243         3           6.318         8         2.885         99         36.547         7           4.892         1         0.34         45         15.019         1           2.140         1         0.24         45         12.254         1	15.411	=	5.271	11	2.39	70	26.651		:
5.04     2     0.37     85     70.632       1.159     4     0.86     69     323.050       2.109     4     0.941     99     75.994       3.318     5     0.98     91     75.994       3.318     5     0.98     91     25.618       5.708      105     36.547       6.318     8     2.885     99     36.547       7     7     4.895     97     218.826       2.840     1     0.34     45     15.019     1       2.840     1     0.34     45     15.019     1	5.04     2     0.37     85     70.632     .       1.159     4     0.86     69     32.050     .       2.109     4     0.978     101     37.990     3       1.1872     4     0.941     99     75.994     3       5.708      10     25.618     3       6.318     8     2.885     99     36.547     7       4.892     1     0.34     45     15.019     1       2.840     1     0.24     45     12.254     1	44.690	14	90.9	7	1.44	82	1,613.190		:
1.159         4         0.86         69         32.050         32.050         32.050         32.050         33.050	1.159         4         0.86         69         323.050         32.050         32.050         32.050         33.050	60.547	14	5.04	64	0.37	85	70.632	•	:
2.109         4         0.978         101         37.990         3           1.1872         4         0.941         99         75.994         3           3.318         5         0.98         91         25.618         3           5.708          105         61.243         3           6.318         8         2.885         99         36.547         7           4.892         1         0.2         67         218.826         3           2.840         1         0.394         45         15.019         1           2.840         1         0.24         45         15.254         1	2.109         4         0.978         101         37.990         3           1.1872         4         0.941         91         75.994         3         1           3.318         5         0.98         91         25.618         3         1           5.708          105         61.243         3         1           6.318         8         2.885         99         36.547         7           4.892         1         0.2         67         218.826         3           2.140         1         0.24         45         15.019         1	15.693	10	1.159	4	0.86	69	323.050		
1.1872     4     0.941     99     75.994     3       3.318     5     0.98     91     75.994     3       5,708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.2     67     218.826     3       2.840     1     0.394     45     15.019     1       0.34     45     15.019     1	1.1872     4     0.941     99     75.994     3       3.318     5     0.98     91     25.618     3       5.708      105     61.243     3       6.518     8     2.885     99     36.547     7       4.892     1     0.24     45     15.019     1       2.840     1     0.24     45     12.254     1	30 8821	, ,	2.109	4	0.978	101	37.990	3	12.909
3.318     5     0.98     91     25.618     3       5.708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.2     67     218.826     3       2.840     1     0.394     45     15.019     1       0.24     45     12.254     1	5.708      105     61.243     3       6.318      105     61.243     3       4.392     1     0.34     45     18.826       2.840     1     0.34     45     15.019     1       2.140     1     0.24     45     12.254     1	36.315	5	1.1872	4	0.941	66	75.994	33	219.485
5.708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.2     67     218.826     3       2.840     1     0.394     45     15.019     1       2.840     1     0.24     45     12.254     1	5.708      105     61.243     3       6.318     8     2.885     99     36.547     7       4.892     1     0.34     67     218.826     3       2.840     1     0.394     45     15.019     1       2.140     1     0.24     45     12.254     1	29.443	17	3.318	no.	0.98	91	25.618	3	155.89
6.318 8 2.885 99 36.547 7 4.892 1 0.2 67 218.826 3 2.840 1 0.394 45 15.019 1 2.254 1	6.318     8     2.885     99     38.547     7       4.892     1     0.2     67     218.826     3       2.840     1     0.34     45     15.019     1       2.140     1     0.24     45     12.254     1	30 010	20	5.708	:	•	105	61.243	3	1.34
4.892 1 0.2 67 218.826 3 4.892 1 0.394 45 15.019 1 0.394 15 12.254 1	4.892     1     0.2     67     218.826     3       2.840     1     0.394     45     15.019     1       2.140     1     0.24     45     12.254     1	31 041	3 2	6.318	00	2.885	66	36.547	7	28.314
2.840 1 0.394 45 15.019 1	2.840 1 0.394 45 15.019 1 2.140 1 0.24 45 12.254 1	24 650	4	4.892	-	0.2	67	218.826	3	2.305
7 140	2.140 1 0.24 45 12.254 1	7.120	13	2 840	-	0.394	45	15.019	_	0.13
	1 O-14 T	0+1./	2 .	0.00	ŧ -	70.0	A F	12.254	_	69.0

## LAND FOR SPECIAL USE in years ending March 31st

Deeds		•	:	:			•	•		•		:		1.35	119.569	20.00		3,409.015	1,387.196	4,152.1467	1,916.369	926.54	
Quit Claim No.	::			•		:	:	:	•	:		:	:	7	r.	3				24			
Patents Acres	13,272.99	13 132 423	55.461.188	5,471.559		7,318,1075	6,931.922	6,168.493	4,989,0825	6,274.0393		5,175.287	5,620.207	2,554,183	10,254,213	4 888.957		4.090.992	4 863.112	6, 624.6265	16,667,445	20000	7,343.340
No.	145		187	175		157	170	154	163	132		132	152	108	162	156	007	158	146	740	120	071	66
Assignments io. Acres	134.05	• 1	184.53	100.68		20.08	2.91	87.56	177 111	111.111	0.4.0	4			2.10	4.11	•	1 70	1.07	•	•	:	:
Ass. No.	9	• (	ro =	4 (4	1	-	, (	1 1	٠, ٢	o (	o		•	٠,	٦,	ç		•	7			•	•
Cancellations lo. Acres		•	110.00	255.655		576 64		430.02	418.984	614.26	427.33	0 0 0 0 0	10.747	545.20	95.48	228.25	159.31	,	82.114	180.21	83.03	432.33	244.489
Cance No.	:	:		5 [						12			_	12	2	4	9		n	3	4	00	00
Sales	14.293.96		20,541.913	26,616.1662	161.697,4	1000	5,367.3333	5,440.696	4,220.913	4,745.9465	7,451,9988		2,122.698	4,533.512	1,738.784	3,201.033	9,149.599	•	2.587.402	2,527.392	1,529.052	622.792	671.858
No.	211		199	183	155		149	141	145	143	129		81	148	88	157	108		122	100	7.5	70	83
Year	1047	1048	1949	1950	1951		1952	1953	1954	1955	1956		1957	1958	1959	1960	1961	4	1062	1963	1064	10/5	1966

### LICENCES OF OCCUPATION

**LEASES** 

YEAR	37.0	No.	No.	No.
Ending	No.			
March 31st	Issued	Cancelled	Issued	Cancelled
1947	86	219	151	22
1948	108	138	109	26
1949	87	125	92	44
1950	96	97	88	44
1951	81	114	88	37
1952	87	104	113	36
1953	66	60	88	29
1954	88	124	84	45
1955	59	48	11	60
1956	60	61	53	88
1957	84	81	60	71
1958	65	76	32	22
1959	75	58	26	26
1960	55	57	51	29
1961	68	64	37	20
1962	71	62	50	21
1963	47	79	51	31
1964	70	96	50	34
1965	32	66	127	111
1966	53	71	76	86

### LAND USE PERMITS in years ending March 31st

Total	18,955 22,458 15,846 19,035	16,031 21,201 18,128 30,321	29,669 34,471 36,742 36,625 29,899	32,903 37,078 40,232 35,438 31,810
Total No.	1,888 2,211 2,583 3,270 3,891	3,809 4,274 4,559 2,918	3,059 3,146 3,053 3,440 3,472	3,866 3,904 4,379 4,436 4,382
Dept. Houses	330 377 501 1,262 1,617	1,758 1,671 1,964 2,046 2,543	2,613 2,858 3,121 3,107 3,181	3,068 3,210 3,173 3,146 3,055
Misc.	95 307 370 265 599	643 400 563 683 453	537 509 365 416 548	478 572 561 713 683
Boat	56 80 77 77 79	76 69 41 102 216	237 252 368 344 255	254 265 275 415 397
Sugar Bush	000000000000000000000000000000000000000	:H:00	73312	4 4 7 7 7
Mill	172 197 170 175 231	239 187 169 180 216	215 184 214 149 188	158 152 156 163 154
Marsh Hay	38 115 57 67 56	34 24 19 10 29	35 37 31 22	22 17 19 46 48
Agricul- ture	201 233 129 122 66	35 34 35 34 130	84 89 65 48	46 49 68 68 77
Residence and Garden	570 489 446 386 261	259 229 224 246 435	459 514 514 503 328	443 441 591 349 338
Trappers	22 33 32 32	13	328 218 279 226 201	216 241 278 296 285
Hunt	391 464 543 786 796	866 957 1,064	1,248 1,352 1,190 1,689 1,875	2,245 2,163 2,424 2,395 2,413
Year	1947 1948 1949 1950	1952 1953 1954 1955	1957 1958 1959 1960 1961	1962 1963 1964 1965 1966

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

# DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Year	20,20A*	District	Island	Township 28,42A*	Electoral 33A	Misc.	Provincial Total	National† Topographic	Grand
1947	3,650	7,378	009	1.772	141	3.103	16 644	10 525	
1948	1,975	7,373	168	506	25	100	11 147	11,333	
1949	4.800	8,169	357	1.004	169	7,030	14,14	11,413	
1950	1,896	7,560	1,255	510	152	2006	16,027	17 012	
1951	2,814	6,730	650	370	61	3,433	14,058	21,435	35,440
1050	200 6	707 0	010	0	,				
1707	06067	074,0	707	282	311	3,292		24,139	40,481
1955	1,990	8, 156	791	330	202	4,150		30,310	45,934
1954	2,734	9,254	593	2 16	64	5,167		34.459	52 487
1955	3,045	12,137	209	459	250	8.766		48 283	72 547
1956	2,113	10,475	882	226	839	1,254	16,139	48,604	64,743
1057	, , , ,	11 707		001					
1020	71767	100,11	1/0	378	190	12,776	27,934	50,013	
1750	1,831	12,592	345	491	126	1,890	17,275	62.048	
1959	2,435	9,071	462	448	259	10,400	23,075	68,787	
1960	1,285	9,728	345	829	320	8 369	20,02	68,801	
1961	1,333	906,9	2 19	530	142	7.686	16.816	63,001	70,101
					!	200	040604	101,00	
1962	2,523	10,755	•	584	503	18.500	32 865	78 866	111 721
1963	1,194	11,215	•	113	193	0.404	22,000	00000	01 672
1964	652	8,255		403	313	001 0	18 773	42,605	67 400
1965	651	9,152		889	257	5 963	16,711	47,740	00,400
1966	286	9,881	•	320	135	14,206	25,128	42,240	67,368
*Non	On (front cont)	nonload by Me	Tow 90 to 1050	101					

<sup>\*</sup>Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959, †National Topographic (except for official use) are for resale, including Dominion and Provincial N.T.S. sheets.

### WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

- 1. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.
- 2. JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
- 3. WHITE OTTER LAKE -- 41 acres in Sloux Lookout District. Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.
- 5. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.
- 6. ECHO TOWNSHIP -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
- 7. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.
- 8. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickleana.
- SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.
- 10. PORPHYRY ISLAND -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

- 12. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
- 13. CAPE HENRIETTA-MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
- 14. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
- 15. ABITIBI NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
- 16. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
- 17. WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
- 18. OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
- 19. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
- 20. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
- 21. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
- 22. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
- 23. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

- 24. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
- 25. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
- 27. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
- 28. RONDEAU PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
- 29. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
- 30. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
- 74. PRESQU\*ILE ISLANDS -- 322 acres in Presqu\*ile Provincial Park, Northumberland County -- An important nesting area for ringbilled gulls and common terns which occur on these islands in thousands.
- 78. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
- 82. PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
- 83. PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
- 84. PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.

- 85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County --Selected for scientific interest in botany and physiography and for its value for outdoor recreation.
- 86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.
- 89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

#### LATER ESTABLISHMENTS

- 88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961. 36th Area.
- 80. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.
- 95. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.
- 98. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch in the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.
- 101. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vaccinium-mosses, brush-alder, mountain maple and dogwood. 40th Area.

NEW POLICIES

# LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

# ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

# FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to:— open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

# LAW BRANCH

SOLICITORS:  W. E. D. PETERS  W. J. Obelnyck	Chief: G. H. FERGUSON, Q.C.
W. E. D. PETERS	
PATENTS OFFICE Supervisor: B. P. Foster	
SECRETARY Stenographic Staff	

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

#### FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

# LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26, 1959, 42 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

# OPERATIONS BRANCH

THE LOGGERS' SAFETY ACT, 1962-63, establishes safety standards in logging operations, requires returns and provides for penalties.

# PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$5.00 for the season. Campsite charges are \$1.50 per day or \$9.00 per week. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

# TIMBER BRANCH

THE CROWN TIMBERS ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODLANDS IMPROVEMENT ACT, 1966, provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

# GENERAL

Covernation of

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

- (a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;
- (b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.
- (c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and
- (d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

# FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

LAC SEUL WATER DIVERSION - February 28th, 1928
 The Province constructed a water dam at the outlet of Lac
 Seul. Total Cost \$ 833,919.19.

Under the agreement

- (1) Three-fifths of cost contributed by Canada, \$ 500, 351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada 33.3333333 per cent for navigation.
- (2) Ontario 11.4871785 per cent for power head.
- (3) Manitoba 55.1794882 per cent for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183, 961. 19, Ontario's share of the cost of storage.

Ontario is also responsible for 11. 4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

 USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

- 4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:
  - Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
  - Canada provides research personnel and equipment for the laboratories;
  - (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committe;
  - (4) Result of studies, advice and assistance will be available to Ontario;
  - (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.
- WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

- 6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92
  By an exchange of letters between the Deputy Minister of
  Citizenship and Immigration dated July 18th and October 6th,
  1960 and the Deputy Minister of Lands and Forests dated the
  29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960,
  subject to a renewal if required and provided the Department of
  Lands and Forests maintains the road in summer and winter.
- 7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100.000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur,

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

# 8. AGREEMENT UNDER THE CANADA FORESTRY ACT

By an agreement dated June 17th, 1965, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1967, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

- (a) Forest Inventory 50 per cent.
- (b) Reforestation of Crown Lands, including lands of public authorities under control of the province;
  - (i) \$15 per unit for planting;
- (ii) \$2 per unit for seeding without ground preparation;

(iii) \$4 per unit for seeding with ground prepar-

ation (scarification or controlled burning);

(iv) 25% of the amount expended for establishment or expansion of nurseries.

A unit is the planting of 1,000 trees or the seeding of an acre.

- (c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects 50 per cent.
- (d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products - 50 per cent.
- (e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection 50 per cent.

The maximum annual payment shall not exceed \$1,650,018 for any or all projects approved under the agreement. Additional assistance may be paid if other provinces do not qualify to receive their full allotment

of the sum of \$7,910,000 which the federal government is spending on these programmes.

9. AGREEMENT UNDER THE FORESTRY ACT (Ontario)
By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

# 10. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

# Canada will assume responsibility for:

 Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.

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- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

# Ontario will assume responsibility for:

- General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

# 11. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after

April 1, 1963 - 50%. Cost of land and other similar items are excepted.

12. ACREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.

NEW POLICIES
1,

NEW POLICIES

# **OPERATIONS BRANCH**

Operations Branch has two main objectives:

Maximal efficiency in purchasing, supply and services performed for Department offices; and

Public understanding of Department activities and objectives in the management of Ontario's renewable, natural resources.

Branch responsibilities are divided as follows.

OFFICE MANAGEMENT SECTION: Inventory of major equipment; licensing of boats; production and revision of circulars and bulletins; Crown land records and microfilming; uniform records and approval of issues; budget estimates; and special assignments.

PURCHASING SECTION: Purchase of equipment, supplies and services; investigations and quotation calls; search for new developments; filling requisitions; leases and rentals; lighting and other office services; and arrangements for travel and conferences.

CENTRAL SUPPLY WAREHOUSE SECTION: Receipt and security of equipment, supplies, uniforms and printed material; shipping to field offices and delivery to Toronto area offices; duplicating and collating of forms, letters, bills and reports; and distribution of licences and publications.

CONSERVATION INFORMATION SECTION: Publications for general public and for special groups; weekly news and special press releases; articles and background material for outside agencies; display and classified advertisements; photo, slide and cut service; reference library and clipping service; and supply of information to public in response to frequent requests.

CONSERVATION EDUCATION SECTION: Major exhibits; display material for other Department exhibits; production of motion films for general showing and for television; radio and television program material; and lectures to youth and adult groups.

ACCIDENT CONTROL SECTION: Administration of The Loggers' Safety Act; Hunter Safety Training Program; safety program in Provincial Parks; internal safety and first aid program; and Workmen's Compensation as it pertains to the Department.

# **OPERATIONS BRANCH**

Chief P.O. RHYNAS OFFICE MANAGEMENT Sub-section Supervisor: A. F. Madore Office Management, Records Circular Production, Uniforms PURCHASING M. A. GONTIER Sub-section Supervisor: G. A. Harper Purchases, Leases, Invoices Supervisor Inventories, Material Control CENTRAL SUPPLY WAREHOUSE Sub-section Supervisor: M. R. Toms Housing, Recording and Shipping Delivery to Toronto Area Offices CONSERVATION INFORMATION News and Press Releases, Photos Publications, Public Appeals Information, Editorial Services CONSERVATION EDUCATION C. V. RICH Exhibits and Display Material Lectures, 16 mm Films Supervisor Material for Radio, Television

#### ACCIDENT CONTROL

Sub-section Supervisor: H. H. Carter

Logger Safety, Hunter Safety Workmen's Compensation Department Safety, Parks Safety

# **HUNTER SAFETY TRAINING PROGRAM\***

	ACTIVE INSTRUCTORS		DENTS DUATED		HUNTIN CCIDEN	_
Year	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957 1958 1959 1960 1961	369 1,433 2,690 4,160 3,784	281 1,668 2,780 10,917 15,267	281 1,949 4,729 15,646 30,913	118 104	36 22	154 126
1962 1963 1964 1965 1966**	3,527 3,050 3,200 3,075 3,200	15,082 20,387 18,652 17,577 19,342	45,995 66,382 85,034 102,611 121,953	109 103 103 100 116	17 15 14 11 12	126 118 117 111 128

# CAUSES OF ACCIDENTS IN 1964

INTENTIONAL DISCHARGE:	%age of Total
Victim mistaken for game  Victim out of sight of shooter  Victim covered by shooter swinging on game  Victim moved into line of fire	11 13 5 6
Sub-total	35
UNINTENTIONAL DISCHARGE:	
Shooter tripped or stumbled Trigger caught on brush, clothing, etc Defective weapon. "Horseplay"	12 12 5 5
Loading and Unloading Crossing fence, etc., with loaded weapon In vehicle with weapon loaded Removing from or placing in vehicle Weapon fell from insecure rest All other circumstances	6 4 2 1 3 11
Sub-total UNKNOWN	61

<sup>\*</sup>Mandatory for new hunters since September 1st, 1960.

<sup>\*\*</sup>Preliminary Report. Accident totals are subject to correction.

# WORKMEN'S COMPENSATION in years ending March 31st.

YEAR	Fire Fighting Cost*	Tree Planting Cost*	Junior Rangers Cost*	TOTAL COST	No. of Claims	Average per Claim
1944	\$	\$	\$	\$ 12,850	98	\$
1945				14,540	120	• • • •
1946				14,249	129	
1947				21,560	182	
1949				35,989	494	
1950				50,989	501	
1951				43,951	394	,
1952				54,158	368	
1952					417	65
				51,169	494	78
1954	• • • • •			64,693	455	69
1955 1956				63,357	910	78
1930	****		••••	100,902	710	/0
1957				85,159	588	80
1958				101,376	727	77
1959				132,572	874	98
1960				150,709	687	139
1961		* * * * *		130,210	649	106
1962	16,531			120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
1966	2,432	11,381	2,489	144,672	567	118

<sup>\*</sup>Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

# ILLUSTRATED PUBLIC LECTURES in years ending March 31st.

Total	83,471 93,423 159,975		217,390 295,391 248,524 276,115 254,680	289,604 233,179 233,279 312,532 316,457	286,518 272,665 275,008 253,064 240,768	5,102,710
ATTENDANCE ublic OFA*	0 0 0	1,511 83,566 128,152	82,207 154,817 62,988 64,473 56,394	68,758 68,832 40,430 61,056 48,756	58,442 46,860 42,267 15,915 19,721	1,108,145
ATTEN	29,558 42,433 58,615	71,969 136,293 75,850	84,283 86,895 95,701 116,261 107,746	127,174 97,334 124,703 158,682 187,686	164,119 165,017 159,968 145,965 140,213	2,376,465 1,108,145
School	53,913 50,990 101,360	89,020 93,895 80,411	50,900 53,679 89,835 92,381 90,540	93,672 67,013 68,146 92,794 80,015	63,957 60,788 72,773 91,184 100,555	1,637,821
Total	734 781 1,532	1,551	2,410 2,894 3,062 3,270 3,181	3,645 3,218 4,293 4,625	3,747 3,411 3,370 3,334 3,082	60,262
MEETINGS ic OFA*	0 0 0	20 401 1,241	462 950 320 601 703	574 538 409 484 401	406 374 398 220 297	8,899
MEE Public	311 376 752	655 629 913	1,246 1,223 1,546 1,546 1,526	1,710 1,708 2,196 2,715 3,198	2,533 2,266 2,095 2,165 1,991	33,156
School	423 405 780	876 827 675	702 721 1,196 1,143 1,076	1,261 972 831 1,094 1,026	808 771 877 949 1,091	18,504
YEAR	1946 1947 1948	1949 1950 1951	1952 1953 1954 1955 1956	1957 1958 1959 1960	1962 1963 1964 1965	Total:

<sup>\*</sup>Lectures given by Ontario Forestry Association.

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WAREHOUSE SHIPMENTS

Publi- cations			819 ,688	,414 ,523 ,841 ,753
			1,941,819 2,124,688 1,155,151	1,196,4 1,918,8 2,081,2
PRINTED MATERIAL Parks cences Permits			271,600 300,000 300,000 689,000	825,900 1,000,850 1,057,730 1,125,725 1,058,325
ă	761,450 774,470 802,900	868,300 910,480 1,005,000 1,055,299 1,120,654	1,154,000 1,212,920 1,279,067 1,260,917 1,363,712	1,392,043 1,432,902 1,542,810 1,581,980 1,669,084
Tons of Supp. lies	150 160 170	175 176 200 470	488 350 218 377 308	253 228 247 246 217
PUBLI- CATIONS	53 72 72 72 72	55 72 84 84	92 109 116 133 136	169 84 102 109 116
EMENTS Conservation	6 · 7 4 4 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	39 36 45 55	8 2 2 2 2 2 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44 50 50 30
ADVERTISH Adminis- ( tration	508 130 60 127	57 74 57 103 99	112 93 139 140 50	52 150 178 161 146
*Letters of Enquiry Answered	4,200 6,900 7,700 8,065 7,200	8,100 9,000 7,000 8,400	16,800 14,600 21,010 26,000 29,200	30,000 30,300 32,000 34,500
Exhibi- tions	13 15 38 64	64 68 75 75	75 75 75 75	75 75 75 75
Photo Prints Loaned	1,800	1,800 2,100 1,800 3,500 4,500	6,000 9,000 9,000 9,000	9,000 9,000 9,200 9,200
35 mm. Colour Slides		750 750 750 1,000	1,500 1,500 1,800 1,900 2,000	3,000 3,700 3,800 4,200
No. Titles Motion Films	38888	56 73 89 119 159	178 208 226 226 234	250 260 260 255 255
Years Ending 31st March	1947 1948 1949 1950 1951	1952 1953 1954 1955 1956	1957 1958 1959 1960 1961	1962 1963 1964 1965 1966

\*Information supplied by mail. \*\*Technical publications not included after 1962.

# LANDS AND FORESTS PUBLICATIONS

Cod	(Not including technical reports) as of December 31, 1965
?W	FISH AND WILDLIFE
1 2 3 4 5 6 7 8 9 10 11 11 12 16	Sport Fishes of Ontario (colour wall chart) \$ 1,00 Commercial Fishing in Ontario Landlocked Sea Lamprey Summary of the Ontario Regulations which apply to Trapping and Fur Dealing Fur in Ontario Meet the Wildlife of Ontario's Outdoors
OR	OUTDOOR RECREATION
1 2 3 4 5 6 7 8 10	The Ontario Outdoorsman's Manual
PP	PROVINCIAL PARKS
2 3 4 5 6 7 8	Algonquin Provincial Park Canoe RoutesAlgonquin Canoe RoutesQuetico Quetico Provincial Park Reptiles of Algonquin Provincial Park Canoe Routes North Georgian Bay Recreational Reserve Sibbald Memorial Museum
F	FORESTS
1 2 3 5 7 8 10	Care and Planting of Forest Trees

LL	FOI	KES.	PROTECTION			
1 2	Our Forests Are B	urni	ng			
3	The Forest Fires F	rev	ention Act			
FI	F	ORE	ST INDUSTRY			
1	Lumber in Ontario					
4	The Pointer Boat					
LW	L	AND	AND WATER			
1	List of Water Powe					
2	Geographic Townsh Ontario Resources					
4	Summer Cottage La			ır) ,		. 1.0
5	Price List of Litho			lans		
A	A	DMI	NISTRATION			
1	Annual Report of th Part I, detailed;			and	Forests:	
2	A Statistical Refere			res	ts Administ	ration
3	Ontario Forest Ran				brochure)	
4 5	Ontario Junior Fore			me		
Н		н	ISTORY			
1	Algonquin Story					
3	Indians of Ontario. Early Days in Halib					0 5
5	Early Days (Air Ser	rvice	e)			
6 7	Fifty Years of Refo					. 0.50
	Arrayed-in-Wampui	n	war of 1012			
FDI	H FOREST	DIS	TRICT HISTOR	IES		
1	Kapuskasing	9	Lake Erie		Kemptville	
2	Geraldton		Kenora		Lindsay	
	Lake Huron Port Arthur	11 12	Gogama Parry Sound		Tweed Sault Ste.	Marie
5	White River	13			Sudbury	
6	Sioux Lookout		Cochrane			
7	Lake Simcoe Fort Frances	15 16	Swastika Chapleau			

NEW POLICIES	
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NEW POLICIES

# PARKS BRANCH

With the realization of an imminent need for public outdoor recreational space, the Division of Parks was established on October 1, 1954, with the late W.B. Greenwood as Chief. It was named Parks Branch in 1959.

- A.B. Wheatley was appointed Chief on April 1, 1961. After a lengthy illness, he was superannuated on December 31, 1964.
- D. R. Wilson was appointed Chief on May 1, 1965. In 1965, the Branch was enlarged and re-organized.

Mr. Wilson left the branch to become Director of the Southern Region. Former Regional Forester P. Addison became branch Chief as of Jan. 1, 1967.

Algonquin, the first provincial park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chapter 8. Rondeau was established in 1894 by the Rondeau Provincial Park Act, 57 Victoria, Chapter 15. Long Point was established in 1921 by the Long Point Park Act, 2 George V, Chapter 35. Presqu'ile was established in 1922 by the Presqu'ile Park Act, 12 George V, Chapter 39. Quetico, Ipperwash, Sibley and Lake Superior were established by Orders-in-Council.

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from the Department of Highways in 1957. Ten were returned in the year ending March 31, 1960.

Within the responsibility of providing parklands for public recreation is the provision of certain facilities. With few exceptions, the emphasis is placed upon the natural environment with planning and development consistent with the natural surroundings.

In certain provincial parks, museums, exhibit centres, self-guiding trails and interpretive programmes of conducted trips and illustrated talks indicate and explain significant natural and historical park features. In 1965, a new museum building at Rondeau was opened to the public.

Waterfowl shooting has been continued through the years in Rondara and Presqu'ile Provincial Parks. It was discontinued, temporarily, in Darlington and Holiday Beach Provincial Parks and renewed in 1960 and 1961, respectively.

Pheasant shooting of stocked birds was opened in 1961 in Sibbald Point, Presqu'ile and Darlington Provincial Parks and in 1963 in Earl Rowe Provincial Park.. With the addition of the Townships of Bruton and Clyde to Algonquin Provincial Park in 1961, moose and deer hunting were permitted to be continued in those townships. Moose hunting, which has been discontinued in Lake Superior Park since 1957, was reopened in 1961.

To extend the use of provincial parks, facilities for tobogganing, skating and skiing have been provided in Pinery Park and for skating in Darlington Park.

# PARKS BRANCH

Chief: P. ADDISON RECREATIONAL LAND USE PLANNER J. W. KEENAN PARK PLANNING AND DEVELOPMENT Supervisor: R. H. HAMBLY PARK OPERATIONS Supervisor: W.G. CLEAVLEY SECRETARY TO ONTARIO PARKS INTEGRATION BOARD C. R. TILT

# PUBLIC USE OF PROVINCIAL PARKS

Year	Parks	Vehicles	Campers	Wilderness Campers ¶	Total Visitors
1956	21		61,000		
1957	39	629,666	116,000		2,114,661
1958	45	927.871	196,000	16,309	3,232,460
1959	55	1,420,180	340,000	50,403	5,127,199
1960	63	1,552,662	421,000	35,778	5,692,978
1961	77	1,725,876	613,000	57,992	6,215,370
1962	82	2,182,116	750,000	46,753	7,822,549
1963	86	2,372,223	840,491	49,372	8,526,443
1964	90	2,549,716	922,632	49,112	9,139,975
1965	89	2,437,988	902,472	53,653	8,875,668
1966*	92	2,738,664	994,787	52,722	9,791,671

# ATTENDANCE AT INTERPRETIVE PROGRAMMES

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Lectures	Total
1950 1951 1952 1953 1954	1 1 2 2 3	200 53,843 72,889	6,173 5,390 14,341 12,761 18,920	363 413 752 952 1,353	1,230 2,343 3,017 6,311 9,714	7,766 8,146 18,310 73,867 102,826
1955 1956 1957 1958	3 5 6 6	75,711 91,246 119,200 146,681	25,388 23,125 26,855 40,617	1,927 2,015 2,824 3,973	8,444 10,727 12,709 17,589	111,470 127,113 161,588 208,860
1959 1960 1961 1962	8 9 8 12	217,672 298,129 311,291 374,475	38,771 46,679 46,955 55,553	5,782 6,958 7,104 9,748	23,988 24,296 29,626 47,641	286,213 376,062 394,976 487,417
1963 1964 1965 1966*	11 12 19 21	371,275 367,292 326,298 392,403	61,647 80,815 81,462 88,004	10,949 10,458 10,515 11,453	51,143 49,235 51,639 53,161	495,014 507,800 469,914 545,021
Algongu Nancy I Presqu' Quetico	sland ile	267,426 25,473 24,000 9,060	3,210 3,117	4,633 - 1,553 585	22,452 - 8,473 2,647	358,915 25,473 37,236 15,409
Rondeau Sibbald Inverhu Sibley	Point	27,144 19,685 19,182	no record - 3,000	895 - - 339	1,784 - 2,015	29,823 19,685 19,182 5,354
Lake Su Pinery Other P	•	433	2,352 no record 11,921	489 2,959	3,668 11,800 322	6,509 14,759 12,676

<sup>\*</sup>Preliminary Report.

# 92 PROVINCIAL PARKS IN OPERATION IN 1966

(Preliminary Report)

	District Park	Area (Acres)	Date Established	-	Aut	Authority Under Thich Establishe	Authority Under Which Established	Camp Units	Campers in 1966	Visitors in 1966
	CHAPLEAU Five Mile Lake	1,010	Sep 29,	1958	0.	Reg.	Reg. 251/58	87	2,869	4,225
	COCHRANE Greenwater Kettle Lakes	10,970 2,412 172	May 21, May 21,	1963	000	Reg.	117/63	40 95 12	2,492	19,196 57,306
1	FORT FRANCES Caliper Lake Lake of the Woods	2,711 1,148,800	Jul 22, 1	1960	0. 0rde	Reg.	0. Reg. 204/60 order-in-Council	90 87 120	6,207 2,195 5,314	29,894 21,774 65,128
20	GERALDTON Blacksand Klotz Lake MacLeod Lake Rainbow Falls Neys	3,353 210 200 1,422 8,150	Jul 22, Jul 22, May 21, May 21, Dec 28,	1960 1960 1963 1963	00000	Reg. Reg.	204/60 204/60 117/63 117/63 346/65	168 33 54 175 110	5,709 2,875 3,578 21,781 12,278	21,596 13,326 68,420 72,932 58,052
	GOGAMA Ivanhoe	3,010	Jun 25,	1957	0.	Reg.	Reg. 144/57	143	3,826	27,921
	KAPUSKASING Nagagamisis Remi Lake	11,878	May 21, Jun 25,	1963	000	Reg.	117/63	80 80 80	2,381	9,830
	Fitzroy Rideau River Sliver Lake South Nation	466 170 78 13	May 21, May 21, May 21, Jul 22,	1963 1963 1963	0000	Reg. Reg. Reg.	117/63 117/63 117/63 204/60	251 191 197 28	10,324 11,847 11,461 3,956	128,872 216,106 87,746 26,745

51,176 97,839 41,970 26,791	31,279 163,906 225,310 522,361 21,361 820,033 112,603 112,603 112,603 112,603 112,603 112,603 112,603 112,603 112,603 113,803	132,249 70,659 83,141 297,986 111,592 75,563 1,037,941 57,860
12,070 13,315 4,951 12,975	1875 4 494 15 888 28 4529 58 4529 4 601 3 3 641 16 645  4,924 4,924 19,182 119,182 12,058 8,080	18,357 2,745 6,973 33,475 14,132 
70 116 60 100	1,122 1,125 1,125 1,125 1,125 1,125 1,125 1,125 1,125 1,135 1,135	155 40 100 725 170 
0. Reg. 251/58 0. Reg. 251/58 0. Reg. 144/57 0. Reg. 204/60	0. Reg. 117/63 0. Reg. 254/58 0rder-in-Council Cart-See Above) 0. Reg. 144/57 (Act-See Above) 0. Reg. 70/59 0. Reg. 117/63	0. Reg. 144/57 0. Reg. 346/65 0. Reg. 161/64 0. Reg. 117/63 0. Reg. 251/58 0. Reg. 251/58
Sep 29, 1958 Sep 29, 1958 Jun 25, 1957 Jul 22, 1960	May 21, 1963 0ct 6, 1958 Jun 24, 1958 May 3, 1921 0ct 11, 1957 Jun 25, 1957 May 21, 1959 May 21, 1953	Jun 25, 1957 Dec 28, 1965 Jun 29, 1964 May 21, 1963 Feb 24, 1958 Sep 29, 1958
124 395 265 862	24 205 133 888 848 848 11,480 103 608 27 545 106 555	87 144 742 497 117 116 99
KENORA Aaron Rushing River Sioux Narrow Blue Lake	Clay Creek Holiday Beach Holiday Beach Long Point Pinery Rock Point Rondeau Turkey Point John E. Pearce Port Bruce Wheatley LAKE HURON Craigleith Inverturon Sauble Falls Point Farms	Bass Lake Bass Lake Bavils Glen Bevils Glen Earl Rowe Sibbald Point Six Mile Lake Springwater Masaga Beach

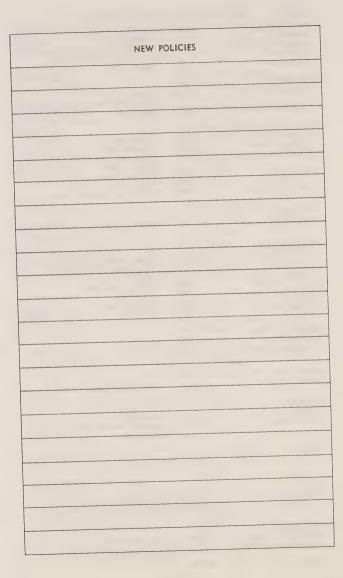
District	Area	Date	Authority Under	Camp	Campers	Visitors
Lain	(voltes)	Established	Which Established	Outro	111 1900	THE TOOM
LINDSAY						
Darlington	380	30, ]	0. Reg. 253/59	230	17,515	149.946
Emily.	200	25,	0. Reg. 144/57	130	11.549	153,360
Mark S. Burnham	101	Jul 26, 1955	0. Reg. 148/55			18,034
Presqu'ile	2,170	18	(Act see Above)	200	32,729	208 878
Sernent Mounds	20	25	0. Reg. 144/57	130	13 077	142 162
Balsam Lakessessesses	1.040		10/11 1900	125	8.647	001604
Ferriseeeeee	152					•
NORTH BAY						
Antoingagesesses	23			20	1 101	0 000
Finlayson Point	75	May 21, 1963	0 Peg 117/63	113	0.575	36,000
Marten Riverages	1.034	May 21, 1963	0. pec. 117/63	270	12 800	130,000
Samuel de Champlain.	2,220	0000 611 600	20/177 297	224	0 454	50 086
and the same of th	2 - 1 - 1				1016	00000
PA						
Grundy Lake	6,310	Apr 21, 1959	0. Reg. 70/59	485	27,723	193,665
Oastler Lake	49	•		153	14,421	163,723
Killbear Point	3,000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	722	28.581	252,810
Mikisew	66		Reg.	123	7,036	60.245
Sturgeon Bay	20		Rez.	87	5.347	28.145
Restoule	1,417	May 21, 1963	0. Reg. 117/63	258	3.397	22.878
Arrowhead	1,880			100	1,235	5,732
PEMBROKE						
Algonquin	1,862,144	May 27, 1893	(Act-see Above)	1,318	77,233	571,614
Carson Lake	15			46	3,466	4,800
Driftwood	655	May 21, 1963	0. Reg. 117/63	86	6,039	9,566
PORT ARTHUR						
Inwood	82	Sep 29, 1958	0. Reg. 251/58	62	13,689	21,198
Sibley Earlie	57,013	May 21, 1963	0. Reg. 117/63	350	11,575	28,878
Middle Falls	020	Tul 22 1060	0 Dog 204/60	40,5	22,483	317,776
oooooooooooooooooooooooooooooooooooooo	11	oni 77 inc	0. Keg. 204/00	707	2,403	30,84/

SAULT STE MARIE	012					
Ratchewana	710			288	29,157	97,170
Lake Superior	334,006	Jan 13, 1944	Order-in-Council	315	37,056	134.570
Mississagi	95,360	•	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	38	2,987	10,287
Pakwash	1,507 6,130	May 21, 1963	0. Reg. 117/63	57	1,438	4,411
Pairbank	293	Jun 25, 1957 Apr 4, 1959	0. Reg. 144/57 0. Reg. 88/59	132	11,363	58,857
Chutes	239	Jul 17, 1964	Reg.	100	3,160	103,134
ASTIKA Esker Lakes Kap-Kig-Iwan	7,680	Jun 25, 1957 May 21, 1963	0. Reg. 144/57 0. Reg. 117/63	136	3,663	17,553
Black Lake	77	May 21, 1963	0. Reg. 117/63	200	8,758	69,632
Lake St. Peter	62	Jun 25, 1957	0. Reg. 144/57	09	3 140	34 884
Outlet Beach	285	May 21, 1963	0. Reg. 117/63	400	20,983	414,029
Dan Feb.	1,208					54,590
North Reach	14,000			400	18,175	77,272
	61	•		:	•	•
WHITE RIVER White Lake Obatanga	3,980	May 21, 1963	0. Reg. 117/63	225 84	18,457	110,990
16	3,747,267			15,934	994,787	9,791,671

### 60 PROVINCIAL PARK RESERVE AREAS, 1966

DISTRICT Reserve Area	AREA (Acres)	LOCATIONS
CHAPLEAU		
Sand Shoals	 26,780	Peters, Cosens, Topham,
	_ /	Triquet Twps.
COCHRANE		
Pierre-Montreuil	 46,000	McQuibban, Swartman Twps.
Long Point Peninsula	18,500	Lake Abitibi
Dana Lake	 6,400	Whitesides, Keefer Twps.
Tidewater	 2,860	Adjacent to Horden Twp.
FORT FRANCES		
Warner Lake	 7,450	South of Tanner Twp.
Sandpoint Island	 1,970	Rainy Lake
Pow-wow Grounds	 1,730	Shoal Lake
GOGAMA		
Dividing Lake	 2,900	Chester, Invergarry Twps.
CED I I DWON		
GERALDTON Dungators Chutog	100	Paguachuan Piyon
Purgatory Chutes Steel River	2,700	Pagwachuan River Twp. 81
Esnagami Lake	58,000	Esnagami, Alpha, Rupert Twps.
Partridge Lake	6,500	Legault, Colter Twps.
Kama Bay	1,750	Twps. 88, 89, 91
Lukinto Lake	2, 250	South of O'Meara Twp.
KAPUSKASING		
Nagami Lake	 4,085	Nagagami Twp.
Rogers	1,510	Rogers Twp.
Fushimi Lake	26,775	Fushimi, Bannerman, Stoddart,
		Hanlan Twps.
KEMPTVILLE		
Murphy's Point	 784	North Burgess Twp.
Charleston Lake	885	Landsdowne Twp.
Carillon	 1,600	East Hawkesbury
KENORA		
Pipestone · · · · ·	 3,530	Manross Twp.
T A ECT CITATE		
LAKE ERIE Selkirk	125	Walpole Twp.
Selkirk	266	Dunne Twp.
2011 201111 (12012)	200	and a mps
LAKE HURON		
Cyprus Lake · · · ·	1,049	St. Edmunds Twp.
LAKE SIMCOE		
Matchedash · · · ·	6, 200	Matchedash Twp.
Methodist Point	2, 800	Tiny Twp.
McRae Point · · · ·	162	Mara Twp.
Scugog Island · · · ·	 133	Scugog Twp.

LINDSAY	
Red Pine Lake 6,58	Sherborne Twp.
Silent Lake 1,70	
Kawartha 3,80	Cavendish Anstruther Twns.
Gull River 2	
Wolfe Island 46	
WOLLC ADMINISTRATION OF THE PARTY OF THE PAR	2
NORTH BAY	
Greenwood 23,00	O Gillies Limit
Greenwood 20,00	Brigstocke, Best, Banting Twps.
Mashkinonje 2,54	
Washkinonje	o iladdo i wp.
DARRY COVIND	
PARRY SOUND	O Ciberry Thron
McDonald Bay 1,10 O'Donnell Point 2,13	
Round Lake 24, 26	
G+1- P 2 02	Burpee Twps.
South Bay 3, 93	
Bigwind Lake 5,40	
Shawanaga Basin 2,56	Shawanaga, Harrison Twps.
PEMBROKE	
Round Lake 26	2 Richards Twp.
Atomic Dance	
PORT ARTHUR	
Silver Falls 8,80	0 Forbes, Fowler Twp.
Kopka Lake 37,30	0 English Bay, Lake Nipigon
Kashabowie Lake 19, 13	0 Kashabowie Lake
Arrowhead Penn 85	
Inwood 1,07	
Eaglehead Lake 75	
Arrow Lake 10	
INTO W DAME OF STATE	
SAULT STE MARIE	
Aubrey Falls 6,00	
Mashagama Lake 8,30	0 Twp. 4F
SIOUX LOOKOUT	0 N 11 A CT
Sandbar Lake 7,80	0 North of Skey Twp.
SUDBURY	
Wahnipitae Lake 1,30	0 Rathbun Twp.
Halfway Lake 58,48	
,	Morse Twps.
	*
SWASTIKA	
McCann 64	0 McCann Twp.
Wiccaini,	o McCami z wp.
TRUEFO	
TWEED	MaClumo Tum
McKenzie Lake 1,30	
Frontenac 8,00	00 Bedford, Loughborough Twps.
	>
WHITE RIVER	
Kawapitapika Lake 2,80	0 Leslie, Knowles
Dayohessarah Lake 36,92	Oldum, Hambelton Twps.
TOTAL 513,11	Oldum, Hambelton Twps.



### PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S. H. C. Parsons as Supervisor; it was named Branch on December 1, 1959.

- A.J. Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.
- J. M. Taylor was appointed Chief on January 1, 1967.

Personnel Branch is responsible for: -

Recruitment
Recruitment of Professional Staff
Establishments
Junior Ranger Programme

Promotions Transfers Job Advertising

Personnel Records
Attendance
Annual Increments
Regular and Probationary Appointments
Separations

Training Programme
Courses
Educational Leave
Grievances
Discipline

Classification Class Specifications Job Descriptions Salary Surveys

Employee Relations

### NUMBER OF EMPLOYEES

in years ending March 31st

### STAFF TURNOVER

Discontinued From Reg & Prob Staff

	Reg-	Probat-	Mon-	- *Cas-				
Year	ular	ionary	thly	ual	Total	**Age	Misc.	Total
****		470		220	0.43			
1943	304	218	• •	339		• •	• •	• •
1944	310	268		397	975	• •		
1945	324	305	• •	929	1,558		• •	• •
1946	373	318	• •		1,264	• •		• •
1947	523	562	• •	527	1,612			
1949	1,167	196			1,925	• •		• •
1950	1,352	157		580	2,089		• •	• •
1951	1,420	141	• •	701	2,262	28	99	127
1952	1,441	181	• •	790	2,412	17	122	139
1953	1,518	158		680	2,356	19	96	115
1954	1,546	175	• •	633	2,354	34	95	129
1955	1,618	142	• •	727	2,487	23	94	117
1956	1,611	180		655	2,446	36	135	171
1957	1,583	175	• •	929	2,687	31	137	168
1958	1,685	134		3,209	5,028	26	69	95
1959	1,759	113		2,750	4,622	34	58	92
1960	1,946	90	• •	1,224	3,260	44	73	117
1961	2,096	121	320			38	55	93
1962	2,348	189	44	1,059	3,640	44	79	123
1963	2,368	181	40		3,290	58	97	155
1964	2,337	207	36		3,230	72	111	183
1965	2,309	193	24		3,151	49	244	293
1966	2,281	225	• •	985	3,491	39	142	181
	, , , , ,				, , , _			

<sup>\*</sup>Does not include extra fire fighters.
\*\*Retirements, superannuations and deaths.

### ON STAFF

### NUMBER OF PROFESSIONAL EMPLOYEES

with University degrees in years ending March 31st

Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
•••		1943	56		••	19	75
		1944	45		• •	13	58
***		1945	54	• •	• • •	29	83
• • •	• • •	1946	55	••	••	14	69
• • •		1947					• • •
		1949	85	18	2	10	1 15
		1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6 5	23	237
392	379	1955	174	39		26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
					7		330
					7		329
815	925	1966	222	72	7	27	328
770 787 815	741 768 925	1964 1965 1966	220 226 222	70 69 72	7 7 7	33 27 27	33 32

# DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

DISTRICT	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958
Chapleau	•	•	•	•	:	:	14	15	23	26	40	46	39	38	35
Cochrane	•	:	•	•	12	25	25	21	26	36	39	45	39	35	24
Fort Frances	•	•	•	•	:		•	•	•	•	•	14	91	14	14
Geraldton	:	:	•	•		:	10	10	10	15	35	24	27	48	29
Gogama	:	•	•	•	•	10	15	12	21	25	34	43	27	38	36
Variation					O	1	14	1,2	12	21	23	4.2	22	30	3.4
Vonore			•		9	7		7 1	71	17	2 -	2	3 -	1 1	2 0
Lindeav	•	•	•	: :	•	- 2	1 1	14	14	. C	20	46	7	7 4	9 1
North Bay	10	23	12	00	21	26	27	21	22	30	, 00 1 C	0 00	90	00	33
Parry Sound	11	10	10	12	25	19	18	12	12	15	20	25	46	33.0	36
			1									1			
Pembroke	•		12	29	20	40	42	32	32	35	42	S	400	42	34
Port Arthur	4	•		•	•	•	•	•	13	15	11	∞	24	13	36
Sault Ste. Marie	•	10	10	11	13	22	20	20	31	37	09	53	75	73	64
Sioux Lookout	•	•	•	•	•	•	•	0	12	21	19		11	13	13
Sudbury		7	15	13	20	26	16	14	14	23	24	42	92	51	46
200					o	C	0	5	6	100	2.1	-	4.2	24	24
Twood	•	•	•	• 0	) c	100	7 0 -	- 2	24	200	32	26	2 4	4 4	
White River	::	• •	::	:	:		12	11	22	23	28	42	62	39	49
TOTAL	21	40	59	92	148	237	289	242	312	403	524	557	614	550	564

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

37 36 69 62 36 69 69 69 69 69 69 69 69 69 69 69 69 69	DISTRICT	6661	1960	1961	7961	1903	1304	COST	0067
24 25 36 33 57 67 67 67 68 69 69 69 69 69 69 69 69 69 69 69 69 69	au	37	36	69	00	112	124	134	123
23 12 12 24 49 42 64 46 60 55 94 113 1 39 37 47 35 56 67 26 13 12 13 39 45 38 26 36 34 73 113 1 37 36 46 55 93 137 1 37 44 33 37 71 71 137 1 39 24 25 36 132 137 1 15 13 23 47 49 26 48 57 113 138 1 26 24 48 57 113 138 1 26 24 48 10 98 116 1	ne	24	25	36	33	57	67	69	06
64 46 60 55 94 113 1 39 37 47 35 56 67 26 13 12 13 39 45 38 26 36 34 73 113 1 38 26 46 55 93 137 1 37 36 46 55 93 137 1 39 24 25 36 119 136 1 15 13 23 47 49 26 24 48 57 113 138 1 26 24 48 10 98 116 1	rances	23	12	12	24	49	42	45	65
39 37 47 35 56 67 26 13 12 13 39 45 38 26 36 34 73 113 37 36 46 55 71 137 13 39 24 25 36 119 136 13 6. 63 67 64 65 119 136 136 13 6. 63 67 64 65 119 136 136 13 6. 63 67 64 65 119 136 136 136 136 136 136 136 136 136 136	lton	64	46	09	22	94	113	115	116
40 36 36 39 62 72 26 13 12 13 39 45 38 26 36 34 73 113 11 37 36 46 55 93 137 1 39 24 23 37 71 71 13 39 24 25 36 132 137 1 63 67 64 65 119 136 1 15 13 23 47 49 26 24 48 57 113 138 1 26 24 48 10 98 116 1	•	39	37	47	33	26	29	65	86
26 13 12 13 39 45 38 26 36 34 73 113 13 37 36 46 55 93 137 13 39 24 23 37 71 70 10. 63 67 64 65 119 136 13 10. 15 13 23 47 49 10. 26 24 48 40 98 116 13	asing	40	36	36	39	62	72	69	65
38 26 36 34 73 113 37 36 46 55 93 137 39 24 33 37 71 70 1e. 63 67 64 65 119 136 1. 15 13 23 47 49 26 24 48 40 98 116		26	13	12	13	39	45	47	89
38 26 36 34 73 113 37 36 46 55 93 137 39 24 25 36 132 137 16 63 67 64 65 119 136 15 13 23 47 49 39 49 48 57 113 138 26 24 48 40 98 116	luron	•	•	•	•	•		•	24
ie. 63 67 46 55 93 137 ie. 63 67 64 65 119 136 15 13 23 47 49 26 24 48 40 98 116	Bay	38	26	36	34	73	113	121	113
ie. 63 67 64 65 119 136 15. 15 13 23 47 49 16. 26 24 48 40 98 116	Sound	37	36	46	55	93	137	139	136
ie. 63 67 64 65 119 136 15 13 23 47 49 26 24 48 40 98 116	ke	34	24	33	37	71	20	70	69
ie. 63 67 64 65 119 136 15 13 23 47 49 39 49 48 57 113 138 26 24 48 40 98 116	rthur	39	24	25	36	132	137	135	130
15 13 23 47 49 39 49 48 57 113 138 26 24 48 40 98 116	Ste, Marie.	63	29	64	65	119	136	141	136
39 49 48 57 113 138 26 24 48 40 98 116	Lookout	15	13		23	47	49	54	76
26 24 48 40 98 116		39	49	48	57	113	138	140	137
11.	. Ka	26	24	48	40	86	116	113	114
49 35 47 47 85 93	River	46	35	47	47	80	93	94	89

### SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of November 22, 1966

GROUPS	Head Office	Field	Total
Agricultural Technicians	3	3	6
Air Engineers	14	11	25
Biologists	18	40	58
Cartographic Staff	5	0	5
Clerks	190	168	358
Commercial Artists	3	0	3
Communications Technicians	11	40	51
Conservation Officers	6	232	238
Departmental Accountants	14	29	43
Draughtsmen	37	1	38
Drivers	4	28	32
Economists	2	0	2
Engineering Staff	5	0	5
Executive Officers	12	1	13
Fish Culturists	0	16	16
Food Service Staff	8	4	12
Foresters	48	144	192
Forestry Technicians	9	633	642
Instructors	9	0	9
Legal Officers	3	0	3
Maintenance Staff	15	64	79
Me chanics	0	48	48
Miscellaneous Staff	9	3	12
Personnel Officers	10	ő	10
Photography Staff	13	Ö	13
Pilots	18	19	37
Public Relations Officers	6	1	7
Purchasing Officers	3	0	3
Rangers	4	182	186
Research Scientists	26	7	33
		•	33
Research Technicians	5	1	6
Safety Instruction Officers	2	8	10
Senior Administrative Staff	33	0	33
Stationary Engineers	10	1	11
Stenographic Staff	106	117	223
Surveyors	7	0	7
TOTAL	668	1,801	2,469

### SUMMARY OF CLASSIFICATIONS (Continued)

		Head Office	Field	Total
	Class 7	0	8	8
	Class 6	5	40	45
	Class 5	0	76	76
FORESTRY	Class 4	i	198	199
TECHNICIANS	Class 3	0	97	97
	Class 2	2	164	166
	Class 1	1	50	51
	Class 7	0	2	2
	Class 6	1	12	13
	Class 5	ī	14	15
CONSERVATION	Class 4	ī	26	27
OFFICERS	Class 3	0	29	29
	Class 2	3	136	139
	Class 1	0	13	13
	400	,	20	10

# LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

	Total	7,020 58,087 7,199	45,350	18,526 627 12,173	247 2,715 5,856 8,583 5,158	20,000 11,244 75,290
FIRE DISTRICT	Water	640 4,061	9,807	750 31 3,000	217 217 887 3,031 409	3,067 3,321 7,512
	Land	6,380 54,026 5,820	35,543	17,776 596 9,173	228 2,498 4,969 5,552 4,749	16,933 7,923 67,778
rrict	Total	7,020 68,182	45,350	18,526 5,945 12,173 13,047 15,346	6,154 6,789 5,856 8,583 5,175	20,000 11,446 114,002
ADMINISTRATIVE DISTRICT	Water	5,660	9,807	750 313 3,000 6,142 6,486	1,444 1,692 887 3,031 410	3,067 3,380 10,610
ADM	Land	62,522	35,543	17,776 5,632 9,173 6,905 8,860	4,710 5,097 4,969 5,552 4,765	16,933 8,066 103,392
(Areas are given in square miles	as of August 27, 1965)	Cochrane Fort France	Geraldton	Kapuskasing Kemptvill Kenora Lake örie	Lake Simcoe	Port Arthur

7,781 5,561 4,776 9,451	312,766
1,243 291 3,051	43,495
6,538 5,270 4,465 6,400	269,271
11,960 5,561 8,440 9,451	*412,582
4,298 291 1,706 3,051	68,490
7,662 5,270 6,734 6,400	344,092
Swastika Tweed White River	TOTAL

\*Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. 135

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1.593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,949; Lindsay, 1,288; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogidaki Mountain. Township 24, Range 12, Algoma District, elevation 2, 183 feet.

(SEE MAP OF DISTRICTS, PAGE 141)

### ASSISTANT DEPUTY MINISTER

### R. D. K. ACHESON

### REGIONAL DIRECTORS

L. RINGHAM------ NORTH-WESTERN
Forestry Building,
14 North Algoma Street,
Port Arthur.
Telephone 345-6543

A.J. HERRIDGE----- NORTH-WESTERN 172 Elm Street West, Sudbury, Telephone 674-3151

D. R. WILSON ------ SOUTHERN
R. R. 2,
Maple.
Telephone Toronto 884-8141-212

### REGIONAL FORESTERS

NORTHERN

Winter: Box 1259, Huntsville. Telephone 789-2730

T. W. HUESTON -----

Telephone 789-2730 Summer: Algonquin Park Telephone 633-5572

### CHAPLEAU FOREST DISTRICT

	Telephone
OFFICE: Corner of Lorne and Beach, Chapleau Radio Roomafter hours Chief Rangerafter hours Air Serviceafter hours	864-1710 864-1711 864-1712 864-1713
District Forester*J.R. Keddie	864-1025
SUPERVISORS	
Accounts H. Tzoelker Fish and Wildlife V. Crichton Biologist R. Lewies Forest Protection *J. E. Anderson Lands W. E. MacPhall Parks W. E. MacPhall Timber *C.R. Groves Scaling L. C. Mantle	864-1687 864-1710 864-1231 864-1843 864-1146 864-1146 864-0854 864-0297
CHIEF RANGERS	
Chapleau *L.T. Cecile 864- Biscotasing W.P. O'Donnell	
DEPUTY CHIEF RANGERS	
Chapleau         F.R. Bergin         864-           Chapleau         L.G. Woods         864-           Chapleau         G.F. McAuley         864-           Chapleau         H.G. Kohls         864-           Sultan         G. Dingee         Missanabie         H.G. Kohls	1710(1685) 1710(1535) 1710(0108) 875(862)
NURSERY	
Chapleau M.E. Hawkins 864-	1717(1547)
PROVINCIAL PARK	
Five Mile Lake A. Simmons	. Chapleau

### COCHRANE FOREST DISTRICT

Telephone				
OFFICE 140 441 Am Cont				
OFFICE: 140 4th Ave., Cochrane       272-4365         Duty Officers       272-4886				
District Forester L. H. Eckel 272-4365(5056)				
SUPERVISORS				
Accounts       F.W. Barnes       272-4365         Fish and Wildlife       S. Nodwell       272-4365(4869)         Forest Protection       *G.P. Elliott       272-4365(4492)         Assistant       *J.R. Russell       272-4365(5010)         Lands       H.E. Wright       272-4365(5207)         Parks       D.E. Stewart       272-4365(5233)         Timber       J.R. McKnight       272-4365(4503)         Scaling       J.H. Butts       272-4365(5291)				
CHIEF RANGERS				
Cochrane       *A. C. Hutchinson       272-4892(5326)         Timmins       W.R. Doyon       264-1262(1678)         Wade Lake       R. Woodall       Iroquois Falls 414				
DEPUTY CHIEF RANGERS				
Cochrane         *A.F. Popineau         272-4892(4130)           Cochrane         W.J. Froude         Frederickhouse 1r2           Cochrane         A.E. Ross         272-4892(4997)           Timmins         J.D. Bond         264-1262(267-3574)           Timmins         K.G. Wiskin         264-1262(0829)           Timmins         E. Everley         264-1262(5086)           Timmins         R.H. Wagner         264-1262(2669)           Smooth Rock Falls         K.C. Veitch         338-2771(2614)           Moosonee         L. Mahon         336-2241(2675)				
PROVINCIAL PARKS				

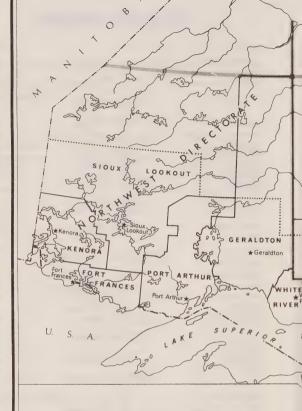
Area Code. 705

<sup>\*</sup>Duty Officers.

### FORT FRANCES FOREST DISTRICT

	'	Telephone	
OFFICE: 922 Scott Street, F	ort Frances	274-5337	
District Forester	*R.A. Balkwill	274-6293	
SU	PERVISORS		
Accounts Fish and Wildlife Biologist Forest Protection, Lands and Parks. Timber Scaling	A.R. Taylor D.J. D'Agostini A. Stasus. *R.V. Brady. L.L. Rawn E. Markus	274-9818 274-6176 274-3991	
CHI	EF RANGERS		
Fort Frances	J. A. Murphy	274-5704 28568	
DEPUTY	CHIEF RANGERS		
Fort Frances	A. J. Korpi	274-6522 274-5680 274-6534 28562 852-3360	
UNIT FORESTER			
Atikokan	A. G. Dougall	6266	
PROVINCIAL PARKS			
Caliper LakeLake of the Woods	B. Houck One-Sided Lake D. McGregor C.R. Williams Atikoka		

<sup>\*</sup>Duty Officers.



MAP OF
THE PROVINCE OF ONTARIO
SHOWING

# ADMINISTRATIVE DISTRICTS, REGIONS AND DIRECTORATES

OF THE

ONTARIO
DEPARTMENT OF LANDS AND FORES



# GERALDTON FOREST DISTRICT

Telephone

	Telebuone
OFFICE: Beamish Avenue, Geraldton	854-1030
District Forester*G.E. MacKinnon	854-1649
SUPERVISORS	
Accounts B. J. Scalzo Fish and Wildlife E. H. Stone Biologist B. H. Gibson Forest Protection *M. J. Morison Lands and Parks A. F. Parker Timber W. K. Fullerton Scaling	854-1030 854-1030 854-1030 854-0466 854-1030 854-1030
CHIEF RANGERS	
Geraldton         P. Bellavance           Longlac         R. W. Koski           MacDtarmid         J.P. King           Pays Plat         B. J. Lapenskle           Nakina         J.K. Cleaveley           DEPUTY CHIEF RANGERS	876-2351 1r2 83J2
Geraldton M. Wasylkiw Geraldton E. D. Turner Longlac M. Linard Longlac A. Hoshino MacDiarmid J. W. Auger MacDlarmid B. A. Norris Pays Plat K. E. Bowlier Nakina T. B. Scott	854-1600 876-2351 876-2351 1 R 2 1 R 2 83J2

### PROVINCIAL PARKS

Blacksand	J.P. King MacDiarmid 1r2
Klotz Lake	R.W. Koski Longlac 876-2351
MacLeod Lake	P. Bellavance Geraldton 854-1600
Nevs	B.J. Lapenskie Pays Plat 8312
Rainbow Falls	B.J. Lapenskie Pays Plat 83J2

<sup>\*</sup> Duty Officers.

### GOGAMA FOREST DISTRICT

	Telej Office	phone Home
	Office	nome
OFFICE: Gogama	96	
District Forester I.B. Earl	96	37
SUPERVISORS		
Accounts J. D. Petrony Fish and Wildlife D. J. Gawley Forest Protection *W. G. Taylor Lands and Parks E. N. Arbuckle Timber. *L. J. Forcier Scaling E. Dew.	96 96 96 96 96	106 71 13 186 98 7
CHIEF RANGERS		
Gogama. *C. Dionne	84 98	94 70
DEPUTY CHIEF RANGERS		
Gogama J. R. Morin	84 84 84 98 98	131 60 137 62 89 154
PROVINCIAL PARK		
Ivanhoe J. R. Languerand Foleyet	98	70

<sup>\*</sup>Duty Officers.

### KAPUSKASING FOREST DISTRICT

KAI OSKASIITO I OKESI SISTIMO			
		Telephone	
	OFFICE: Kapuskasing(705)	335-2231	
	District Forester *D. A. Fawcett	335-5503	
	SUPERVISORS		
	Accounts R. W. E. Stone Fish and Wildlife M. R. Cusson Forest Protection *J. L. Canfield Lands *A. J. McGoey Parks A. J. McGoey Timber *J. R. Oatway Scaling V. M. Silver	335-3360 335-2438 335-4154 335-5062 335-5062 335-3367 335-5664	
CHIEF RANGERS			
	Kapuskasing       J. H. Clavelle         Hearst       G. L. Jones         Hornepayne       L. E. Grife       (807)	362-4356	
	DEPUTY CHIEF RANGERS		
	Kapuskasing J. Albert Faux Kapuskasing J. G. Duhaime Opas Kapuskasing D. C. Jones	atika 3341	

Kapuskasing	J. Albert Fauquier 3331
Kapuskasing	J. G. Duhaime Opasatika 3341
Kapuskasing	D. C. Jones 335-5414
Hearst	G.O. Koistinen 362-4853
Hearst	F. J. Labonte Mattice 4480
	J. H. Thompson 362-4981
Hearst	
Hornepayne	
Hornepayne	D. O'Grady (807) 491

### PROVINCIAL PARKS

M-managed a		90
Nagagamisis		
Remi Lake	J. L. Sigouin 335-2	2321

<sup>\*</sup>Duty Officers

### KEMPTVILLE FOREST DISTRICT

	Telephone	
OFFICE: Kemptville		
District Forester *	W. A. G. Thurston 258-3335	
SUI	PERVISORS	
Sr. Conservation Officer Forest Protection * Assistant * Lands and Parks	F. S. Bumstead 258-2483 D. O. Sylvester 258-2280 E. A. Green 258-3209 D. D. White 258-2780 E. A. Green 258-3209 P. E. Anslow 258-2408	
DEP	UTY CHIEF RANGER	
Lanark	D. KennedyInnisville 6r21	
ZOI	NE FORESTERS	
Kemptville	M. Schaefor	
	NURSERY	
Kemptville*	H. H. de Vries 258-2323	
PROVINCIAL PARKS		
Rideau River	F.W. Irwin . Arnprior 623-5159 Kemptville 258-2817 C. Dawson Maberly 9r31	

Area Code: 613

South Nation .....

<sup>\*</sup>Duty Officers

### KENORA FOREST DISTRICT

Telephone		one
	Office	Home
OFFICE: 936 Park Street, Kenora	468-9841	
District Forester*W.H. Charlton	468-9841	468-6284
SUPERVISORS		
	100 0011	400 0400
Accounts G. C. McChesney	468-9841	468-8190
Fish and Wildlife D. M. Brooks	468-9841	468-9174
Forest Protection *H. R. Redding	468-9841	468-7548 548-4094
Lands J. A. Wynd	468-9841	468-5450
Parks H. J. Featherstone	468-9841	468-9137
Timber R. Burgar	468-9841	547-2347
Scaling G. C. Mackey	468-9841	547-2347
CHIEF RANGERS		
Kenora*J. G. Minor	468-6600	468-7139
Minaki N. B. Pigeon	8	8-2
Dryden L. E. Fleguel	223-2341	223-6644
DEPUTY CHIEF RANGER	.S	
Kenora A. J. Bull	468-6600	468-6233
Kenora W. Neculeac	468-6600	548-4219
Kenora A. W. Stone	468-6600	468-5106
Minaki		
Dryden M. L. Frenette	223-2341	938-6497
Dryden W.O. Hansson	223-2341	223-2521
Dryden A. E. Lundmark	227-2660	938-6316
Dryden R.J. Kincaid	226-5668	223-6923
Sioux Narrows H. D. Morrison	180	180
Vermilion Bay	227-2660	
PROVINCIAL PARKS		
PROVINCIAL PARKS		
Aaron M. L. Frenette	938-6312	937-5386
	227-2601	937-5386
Blue Lake M. L. Frenette	548-9902	468-6233
Rushing River A. J. Bull		468-6233
Sioux Narrows A. J. Bull		400-0233

<sup>\*</sup>Duty Officers

### LAKE ERIE FOREST DISTRICT

	st	773 <b>-</b> 9241 9141(9194)
	SUPERVISORS	
	G, B. Fewings	773-8253 773-3375 773-9828 631-8431
	ZONE FORESTERS	
London	J. A. Fingland	438-7126 774-5811
	NURSERY	
St. Williams	W. H. Edwards Port Rowan	586-3863
	RESEARCH STATION	
Fisheries Research St	ation Dr. R.G. Ferguson Wheatley	825-4171
	FISH HATCHERY	
Normandale Fish Hatc	hery J. W. Anderson Simcoe	426-3142
	PROVINCIAL PARKS	
Holiday Beach Ipperwash Clay Creek	J. A. BassAmherstburg J. A. Matheson Thedford J. A. Matheson "	736-3772 296-4652
Long Point. Pinery. Port Bruce. Pock Point. Rondeau John E. Pearce.	T. L. Beck Port Rowan M. F. Jackson. Thedford District Office. Aylmer D. A. Scott Dunnville J. H. Lever Ridgetown J. H. Lever "	586-2133 296-4462 773-9241 774-4242 674-2137
St. Williams Turkey Point Wheatley	St. Williams Nursery, Port Rowa W.G. Strowger Simcoe	n 586-3863 426-3239 825-4761

<sup>\*</sup>Duty Officers.

### LAKE HURON FOREST DISTRICT

Te	lephone		
OFFICE: Hespeler 68	58-9356		
District Forester F. L. Hall 62	23-3723		
SUPERVISORS			
Fish and Wildlife D. R. Johnston 6: Biologist W. D. Mansell 8: Timber, Forest Prot. J. L. Mullen 7-	58-4015 21-1576 24-6125 45-7531 22-1967		
ZONE FORESTERS			
Hespeler (Guelph Zone) . N. R. Oldfield	21-9383 58-4526 76-1309 87-9391		
FARM FORESTER			
Owen Sound J. F. W. Gourlay 3	376-7586		
PROVINCIAL PARKS			
Inverturon G. E. Brown Tiverton Point Farms R. Brigden Goderich 5	69r6 69r6 524-7124 935-2354		

### LAKE SIMCOE FOREST DISTRICT

Telephone		
OFFICE: R.R. 2, Maple (416) Toronto 884-8141  Duty Officers		
District Forester*A.W. Leman ext 218(884-1787)		
SUPERVISORS		
Accounts         G. C. Bragg         ext 215           Fish and Wildlife         R. H. Trotter         ext 211           Biologist         A. A. Wainio         ext 211           Lands         W. M. Mitchell         ext 224           Parks         H. V. Berg         ext 222           Timber         *D. J. Vance         ext 221(884-6390)           Forest Protection         D. J. Vance         ext 212(884-6390)		
ZONE FORESTERS		
Maple, Richmond Hill       *J. D. Griffiths       ext 220(884-7541)         Orangeville       R. M. Monzon       (519)       941-4370         Angus       W.S. McNeice       (705)       449-5312		
FARM FORESTER		
Maple *R. N. Staley ext 213(727-5919)		
UNIT FORESTER		
SRMU, Coldwater G. R. Lane(705) 686-3342		
DEPUTY CHIEF RANGER		
Severn		
TREE SEED PLANT		
Angus W.E. Edwards (705) 449-5311		
NURSERY		
Midhurst J. M. Halpenny(705) 728-2846		
PROVINCIAL PARKS		
Bass Lake         R. G. Ellis         (705)         326-7054           Devils Glen         L. O'Dell         (705)         429-2516           Earl Rowe         W. Braden         (705)         435-7291           Mara         705         326-4451           Sibbald Point         J. T. Linklater         (416)         722-5182           Six Mile Lake         B. W. Whalen         (705)         686-3342           Springwater         C. D. Jackson         705         728-7393           Wasaga Beach         L. O'Dell         (705)         429-2516		

<sup>\*</sup>Duty Officers.

### LINDSAY FOREST DISTRICT

Telephone		
OFFICE: Ontario Government Building, Lindsay 324-6121		
District Forester*A. E. Walroth 324-6121 L2		
SUPERVISORS		
Accounts         H. C. Wallwin         324-6121 L6           Fish and Wildlife         *P. W. Swanson         324-6121 L26           Forest Protection         *B. B. Benson         324-6121 L12           Lands         *G. Simons         324-6121 L14           Parks         *P. R. Davidson         324-6121 L10           Timber         *R. A. Lockhart         324-6121 L9           Scaling         *W. E. Everett         324-6121 L8		
Minden P.J. Cassidy 219W Gooderham W. Sarginson Haliburton 619r4		
DEPUTY CHIEF RANGERS		
Minden         M. J. O'Neill         219W           Gooderham         H. N. Bates         Haliburton 619r4           Apsley         J. M. Scott         656-4361           Haliburton         S. A. Shields         387W		
UNIT FORESTERS		
Lindsay.       A. P. Matiece       324-6121         Lindsay.       B. G. Cross       324-6121         Orono       L. J. Haas         Brighton       R. W. Tippett       475-2204		
FARM FORESTER		
Lindsay P. H. Rennick 324-6121		
NURSERY		
Orono W.R. Bunting 983-9147		
HATCHERIES		
Codrington (Fish) G. Groondahl Brighton 475-2512 Codrington (Pheasant) E.R. Mound Brighton 475-0692 Deer Lake (Fish) J. M. Hunt Havelock 778-3391		
PROVINCIAL PARKS		
Emily         R. J. White         Omemee 799-5170           Balsam Lake         R. M. Duffin         Coboconk 454-3252           Darlington         J. A. Robertson         Oshawa 723-4341           Presqu'ile         O. G. Irwin         Brighton 475-2204		

Area Code: 705 \*Duty Officers.

### NORTH BAY FOREST DISTRICT

	Telephone
OFFICE: 222 McIntyre St. W., North Bay (Direct line from He	
District Forester *W.B.M. Clarke	472-7545
SUPERVISORS	
Accounts J.E. Rogers	472-8426 474-4808 474-5716 472-1744 474-5712 474- 474-8493
North Bay *H.N. Whalen Temagami J.E. Rumney	474-5645 569-2231
DEPUTY CHIEF RANGERS	
North Bay. *J.A. Bedard.  North Bay East. R.H. Smith  North Bay West. T.M. McCormick  Champlain C.H. Laberge. Mattawa  Marten River H.J. Edmundson.  Haddo. Monetville  Latchford E.F. Lafleur,  Temagami H.G. Smith  Temagami F.E. Cannon,  Temagami T.H. Hyatt	472-6056 472-8192 472-4487 744-2276 4r3 898-2441 914 569-8481 569-3591 569-7486
PROVINCIAL PARKS	
Antoine Mattawa Finlayson Point B.M. Buckland Temagami Marten River	744-2251 569-2561 4r3
Samuel de Champlain, C. H. Laberge . Mattawa	744-2276

<sup>\*</sup>Duty Officers.

### PARRY SOUND FOREST DISTRICT

OFFICE: 6 Miller Street, Parry Sound	746-2141	
District Forester *M. A. Adamson	746-2839	
SUPERVISORS		
Accounts G. F. Walter Fish and Wildlife *C. W. Douglas Sr. Conservation Officer *J. A. Macfie. Forest Protection *D. Burns Lands T. H. Croswell Parks W. R. Peck Timber W. A. Perrin Scaling A. J. Tracy.	746-2389 746-8622 746-8330 746-2672 746-5513 746-8808 746-2479 746-8309	
CHIEF RANGERS		
Parry Sound       *J.A. Shalla       .746-         Powassan       J.L. Hamill       .724-         Bracebridge       J.A. Simpson       .645-4081         DEPUTY CHIEF RANGERS	2640(2837)	
Parry Sound         J. M. McEwen         McKe           Powassan         E. R. Brooks, Trout Creek           Bracebridge         M. Salt           Ardbeg         R. J. Simms, Parry Sound           Dorset         J. S. Booker         766           Byng Inlet (Britt)         M. C. Kennedy         383-           Loring         R. F. Kimberley         757-	723-5361 645-4607 746-9881 2212(2253) 2361(2361)	
ZONE FORESTERS		
Parry Sound J. Strickland	746-2141 724-2640	
PROVINCIAL PARKS		
Grundy Lake F. Irwin  Killbear Point R. Brookland Nobel Mikisew A. White South River Oastler Lake G. McRoberts Orrville Restoule W. Davis Sturgeon Bay D. Stanley, Pointe au Baril	386-2271 378-2202 529-5707	

<sup>\*</sup>Duty Officers.

### PEMBROKE FOREST DISTRICT

	Telephone
OFFICE: 162 Agnes Street,	Pembroke
District Forester	*F.E. Sider 735-5718
su	PERVISORS
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Construction	G. N. McGeachy 732-3661 H. E. Deedo. 732-3661 M. L. Wilton. 732-3661 *J. K. K. Legris 735-6396 J. Orme 732-3661 J. E. Collard 732-3661 *D. E. Gage. 732-8864 J. A. Hindman 732-3661
CHI	EF RANGERS
Pembroke	*R. N. Cousineau 732-3664(4106) H. W. Hanes 637-2780 F. Mitchell 586-2604
DEPUTY	CHIEF RANGERS
Pembroke Pembroke Whitney Whitney Whitney Whitney Stonecliffe Stonecliffe Achray Achray Kiosk Round Lake ZON Pembroke Pembroke	M. I. Mantifel. 732–3664 D. F. Palubiski 732–3664 M. L. Doney 637–2780 W. A. Lentz 637–2780 S. E. Cameron 637–2780 K. H. Moore 637–2780 R. C. Bilsborrow 586–2604 V. I. Kuiack 586–2604 A. E. Prange S. K. Rowe W. D. Christie 841 C. R. Buske Killaloe 632R13 E FORESTERS CR. Gray 732–3661 L. S. McCoy 732–3661
Pembroke	W. W. Wahl
Pembroke Farm Forester .	L. C. Scales 732-3661 TNCIAL PARKS
Algonquin	T.W. Hueston 633-5572(5542)

153

\*Duty Officers.

### PORT ARTHUR FOREST DISTRICT

	Telephone	
OFFICE: Forestry Building,		
14 North Algoma Street, Port Arthur	345-6543	
District Forester *W. L. Sleeman	622-7502	
SUPERVISORS		
Accounts J. D. Chadwick Fish and Wildlife C.A. Elsey Biologist. H.R. Timmerman Forest Protection *F. M. Dodds Assistant *	345-6543 344-0501 344-4968 344-5417	
Assistant Lands W.H. Jarvis Parks E. Diamond Timber J.F. Flowers Scaling A.G. Strey	345-6543 345-6543 345-6543 345-6543	
CHIEF RANGERS		
Port Arthur         *S.O. Russell           Armstrong         A.A. Gordon           Shebandowan         G.C. Murray	344-8157 42 926-2861	
DEPUTY CHIEF RANGERS		
Port Arthur V. Hansen Armstrong G.J. Frenette. Armstrong R.D. Killer Shebandowan J.B. Monteith Shebandowan W.M. Pennock Fort William N.J. Small Upsala. L.W. Reid Nipigon. J.R. Morton.		
NURSERY		
Fort William		
PROVINCIAL PARKS		
Inwood	623-0176 River 1r23	

\*Duty Officers.

# SAULT STE, MARIE FOREST DISTRICT

Telephone

OFFICE: Airdrome Building	, Sault Ste. Marie After hours	949-1231 949-1234
District Forester	*J.S. Ball	253-8564
SU	PERVISORS	
Accounts Fish and Wildlife Biologist. Forest Protection Fire Duty Officer Lands Parks Timber Scaling	G. J. Murray. C. A. Lewis N. R. Payne *W. H. Forman *E. E. Murphy J. M. Small G. M. Connell *W. C. Stevens. M. V. Osborne	254-3847 253-3442 253-9747 949-3572 949-9359 253-6933 785-3458
	EF RANGERS	
Sault Ste. Marie	C.E. Tregonning J.A. Huppe E.M. Montgomery	253-3478 256-7166 856-4211
הבסווידע	CHIEF RANGERS	
Sault Ste. Marie Sault Ste. Marie Blind River Blind River Kirkwood Kirkwood Kirkwood Red Rock Pancake Bay Mount Lake Ranger Lake Elliot Lake Agawa Peshu Lake KIRKWOOD	L. G. Bell L. J. Pigeon W. J. Lovering H. J. Stoneman D. W. Hemphill Thessalon I. E. Seabrook Thessalon C. W. Stoneman Thessalon G. N. Gibson, Wawa R. H. Gemmill Batcha G. R. Murray Blind River A. R. McClelland Desbarats C. J. Osborne F. E. Senecal Wawa, Agaw C. D. Vaughan, Echo Bay.  MANAGEMENT FOREST	356-7554 3782-6704 848-2741 va Bay 312 37R2
Little Rapids, Thessalon		
PROV	INCIAL PARKS	
Batchawana Lake Superior Mississagi Pancake Bay Area Code: 705 *Duty Officers.	R.H. Gemmill, Batchawan F.E. Senecal Wawa, Agaw C.J. Osborne Elliot Lake R.H. Gemmill, Batchawan	a Bay 312 848-2741
,		

# SIOUX LOOKOUT FOREST DISTRICT

Tele	phone		
District Forester *R. A. Baxter 737	-1140 -2261 -3620		
SUPERVISORS	SUPERVISORS		
Fish & Wildlife         C. E. Perrie         737-           Biologist         D. A. Hagan         737-           Biologist         G. L. Penney         737-           Forest Protection         *E. W. Bouchey         737-           Lands & Parks         E. Fraehlich         737-           Timber         J. A. Waddell         737-           Management Forester         R. M. McKendry         737-           Management Forester         J. Pohanka         737-           Scaling         737-	-2892 -1562 -3459 -3742 -3622 -2953 -1456 1530 1033 1530		
CHIEF RANGERS	2000		
Sloux Lookout.         G. M. Fenelon         737-1140(1           Red Lake.         D. R. Williams         47           Pickle Lake         R. Paterick         3111(4           Ignace         F. R. Nicoll         934-2233(2	302)		
DEPUTY CHIEF RANGERS			
Sioux Lookout         G. A. Baverstock         737-1140(1           Sioux Lookout         C. W. Clark         737-1140(3           Sioux Lookout         J. W. Lyon         737-1140(2           Sioux Lookout         S. A. Sprager         737-1140(1           Red Lake         A. R. Larson         475(           Red Lake         W. Davenport         474(3           Red Lake         R. Schroeder           Pickle Lake         I. Lawson         3111(3           Ignace         D. R. Fortner         934-2	099) 133) 779) 755) 88J) 475		
PROVINCIAL PARKS			
Pakwash R. Williams Ojibway G. Fenelon			

<sup>\*</sup>Duty Officers.

### SUDBURY FOREST DISTRICT

Telephone		
OFFICE: 172 Elm Street West, Sudbury 674-3151 (Direct line from Head Office)		
District Forester *G.A. Hamilton 674-1503		
SUPERVISORS		
Accounts         G. Jennings         673-1973           Fish and Wildlife         C. Bibby         675-7815           Biologist         D. I. Gillespie         674-3151           Forest Protection         *L. G. Ridsdill         566-2384           Fire Control Officer         *W. A. Humphrey         969-2400           Lands         A. S. Currie         675-8402           Parks         L. R. Davey         673-1012           Timber         H. Henry         566-0248           Scaling         G. Munro         853-4490		
CHIEF RANGERS		
Sudbury.       *W. Wetow       673-7458         Skead       V. Bragg       969-2361         Espanola       E. Morin       869-2075		
DEPUTY CHIEF RANGERS		
Sudbury         L. Collard         897-5143           Sudbury         G. Van Horn         675-5815           Skead         D. R. Hand         969-4019           Skead         U.A. Penttinen         969-2400           Skead         A. T. Proulx         969-2503           Espanola         W. Piche         869-1675           Massey         F.A. Hansson         Spanish         844(114W)           Windy Lake         D. H. Kohls         966-2315           Jamot         L. Myllynen         857-2004		

Area Code: 705

Fairbank .....

PROVINCIAL PARKS

Chutes ...... F.A. Hansson .. Spanish 884 (114W)

R. McLeod .....

<sup>\*</sup>Duty Officers

# SWASTIKA FOREST DISTRICT

		Telephone
OFFICE: Swastika	Kirkland Lake	642-3222
District Forester Acting District Forester	*J.D. Hughes	567-5604
\$	SUPERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Timber (Acting) Scaling	H. Michiel D. Waldriff J.F. Gardner *L.L. Bronson J. McDougall H. Mattson A. H. Peacock G. Brown** F. Thib. Englehart	567-7548 568-8712 642-3489 567-4732 567-4054 567-6766 567-6983 544-2136
СН	IEF RANGERS	
Swastika	*L.E. St. Pierre 642-321: V.L. Wilson	119/399)
Swastika West Swastika East Matheson West Matheson East Elk Lake Matachewan Englehart Larder Lake	E.C. Borden 642- M.C. Mitchell 642-3211 A.A. Pesever G. Cahill W.E. Bond D.W. Butler L.J. Wickware 544- W.B. Hill	.(544-7619) 119(421) 119(179) 28(53-B) 28 2331(2452)
NURSERY		
Swastika	K.H. Reese	642-3339
Hill Lake	P. Graf	544-2834
PROV	INCIAL PARKS	
Esker Lakes	O. Ranta R. L. Hack Englehart	642-3222 544-2050

### TWEED FOREST DISTRICT

TWEED TOREST DISTRICT	
Telephor	e
OFFICE: Municipal Bldg., Metcalfe St., Tweed 478-233	80
District Forester *N.D. Patrick 478-242	25
SUPERVISORS	
Accounts         J. A. Vance         478-302           Fish and Wildlife         R. E. Whitfield         478-251           Biologist         W. F. Cheshire         478-342           Forest Protection         *B. T. Dunne         478-252           Lands         L. G. Rowson         478-252           Parks         *W. H. Cantelon         478-311           Timber         *C. J. Heeney         478-568           Scaling         W. F. Caverley	13 37 96 27 11
CHIEF RANGERS	
Tweed         J.J. Shalla         478-2338(264)           Dacre         G. M. Samells         649-2218(432-260)           Bancroft         O. Goodman         47(98)           Napanee         E. W. Ferguson         354-4766(308)	2) 9)
DEPUTY CHIEF RANGERS	
Tweed         D. Mumford.         478-2338(220)           Dacre         J.J. Windle         649-2218(432-525)           Bancroft         E. Card         47(29)           Bancroft         J. I. McKenzie         4           White Lake         H. E. Clark         335-211           Plewna         W. Gorr         38(7)           Green Lake         Palmer Rapids         R. Musclow         7(3)	6) 8) 17 15 J)
ZONE FORESTERS	
Tweed         W.W. Hiscock         473-253           Dacre         W.H. Collins         649-2218(432-553'           Bancroft         F. Walker         47(40-100)           Napanee         E. Edson         354-4766(Bath 9)	7) 4)
HATCHERY	
White Lake K. L. Steele 335-211	.5
PROVINCIAL PARKS	
Black Lake         H. E. Clark         Sharbot Lake 19           Bon Echo         G. L. McMurray         .336-2228(2666)           Lake St. Peter         O. Goodman         Bancroft 47(98)           Outlet Beach, Sandbanks         R. J. Davison         .393-3314(200)	0) 9)

Area Code: 613. \*Duty Officers.

### WHITE RIVER FOREST DISTRICT

		Telephone
OFFICE: White River		186
District Forester	G. A. McCormack	186(294)
SU	PERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection Lands and Parks Timber Scaling	W. C. Johnstone E. A. Pozzo. T. G. Harrison W. Kitt J. J. Sargent W. C. Tieman J. E. Hamilton	148 (59) 186 (131) 186 (258) 186 (391) 186 (364) 186 186 (5)
CHIE	F RANGERS	
White River	B. Petman	149 (250) 2445(2155)
DEPUTY	CHIEF RANGERS	
White River	I. Riives	856-2120 2120(7132) 2216 3225(3760)

Area Code: 705

### THE ONTARIO FOREST TECHNICAL SCHOOL

	5	Γelephone
DORSET		766-2242
Director	Q. F. Hess B. sc. F., F. E., R. P. F.	766-2334
Accountant	J. Palmer	789-4345 len 514r23 766-2304 766-2242 766-2237
F	ACULTY	
Head, Forestry Section; Drafting, Silviculture, Certiand other courses  Head, Fish and Wildlife Sect; Fish and Wildlife, English, Certificate	ficate  J. E. Dickenson  B. sc. F., R. P. F.	789-2336
and other courses	V.B. Collins B.A., M.S.A.	766-2335
Forest Fire Control Training in Ontario	G. D. MacAdam	766-2386
Dendrology, Soils, Forest Protection	E. Goodman	766-2312
Dendrology, Mathematics, Road Construction	D. L. Lillow	766-2238
Mensuration, Scaling courses	G.J. Pennock	635-2953
Mensuration, Utilization, Camp Clerking	J. D. Ryan	766-2336
Surveying, Drafting	W.P. Small	766-2344
First Aid (St. John Ambulance Course)	Mrs. P. Briscoe	766-2237
Forest Pathology, Business Utilization, University of Toronto Forest	G. Wilson	789-5360

NEW POLICIES

### RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research program. A live-inan Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R.N. Johnston was appointed Chief on January 1, 1944. He retired on September 15, 1964.

A. P. Lestie was appointed Chief on September 15, 1964.

The functions and responsibilities of the Research Branch are to provide the management Branches of the Department with useful information, checked for reliability by experiments and tests, concerning reproduction, races of growth, population changes, and diseases relating to forestry, fisheries and wildlife resources. Separate sections of the Branch work in these three major disciplines. A fourth section, Mechanical Research, develops, improves and tests equipment and instruments to meet the special needs of the Research Branch and other Branches of the Department.

The Southern Research Station, established in 1944, serves as a base headquarters for most of the staff of the Research Branch. However, the majority of the research work undertaken by the researchers based at the Station is conducted in the field. In addition to the staff at the Station, decentralized units of the Branch are established in various parts of the province. For example, the Silvicuitural Research Units have headquarters at Port Arthur, Sault Ste. Marie, Dorset and Tweed, as well as at Maple; Great Lakes Fisheries Units are established at South Baymouth, Wheatley and Glenora. Seasonally operated stations are also located in Algonquin Park - for fisheries at Lake Opeongo, for forestry at Swan Lake, and for wildlife near Lake of Two Rivers.

### FISHERIES SECTION

Studies to determine rates of reproduction, growth and mortality of commercial and game fish, and relation of these to environmental conditions. GREAT LAKES - Research Branch responsible for general research on Lakes Huron, Erie and Ontario; Fisheries Research Board of Canada for Lake Superior, as well as sea lamprey control experiment. GAME FISH - Research units established for study of lake trout, speckled trout, smallmouth bass and walleye. SELECTIVE BREEDING - to obtain brook trout-lake trout hybrid which can sur-

### RESEARCH BRANCH

Chief: A. P. LESLIE

Administrative Officer: E. K. E. DREYER

Special Projects: A. R. FENWICK

### ADMINISTRATION

Budgeting and Accounting, Personnel Equipment, Public Relations Library, Reports

### FISHERIES SECTION

Supervisor: K. H. LOFTUS

Game Fish: Brook Trout, Lake Trout, Smallmouth Bass, Walleye

Great Lakes: Lake Erie, Lake Huron, Lake Ontario

Maple Headquarters Units: Limnology, Parasitology, Productivity, Selective Breeding, Technical Studies

### FORESTRY SECTION

Supervisor: D. H. BURTON

Mensuration, Statistics and Economics Reforestation, Site, Tree Breeding W. Pine Blister Rust, Wood Quality

Field Silviculture Units: Central, Northern, South Central, South Eastern, South Western

### MECHANICAL SECTION

Acting Supervisor: V.W. McMULLEN

### WILDLIFE SECTION

Supervisor: R.O. STANDFIELD

Big Game, Predators Diseases and Parasites, Upland Game and Waterfowl Furbearers vive in presence of sea lampreys. MISCELLANEOUS - Lake productivity unit to classify productive capacity on basis of chemical fertility. Parasites - to identify and assess effects. Limnology (Lake Study) unit to study physical and chemical characteristics of Great Lakes.

Two examples of recent developments:

KOKANEE. The experimental planting of kokanee, a land-locked variety of sockeye salmon, in the Great Lakes appears headed for success. The Research Branch recommended the introduction of this species in 1964 and chose Lakes Huron and Ontario as experimental planting sites because they appeared suitable in most respects environmentally, and because of the depressed state of their commercial and sport fisheries. One factor considered was that kokanee may be able to flourish under conditions of water enrichment. Four plantings were planned, and the first two plantings of three million eggs each were made in 1964-65 and 1965-66. Assessment of the first planting has shown good growth and survival. Preliminary arrangements are proceeding for an increased supply of eggs, with a view of increasing stocking density.

SPLAKE. In 1965 an international agreement was made between Canadian and United States agencies to undertake the rehabilitation of Lake Huron by stocking with highly selected splake hybrids rather than with lake trout. It was planned that the Fisheries Section of the Research Branch would allocate highly-selected brood stock to production hatcheries in Ontario and Michigan. The first stock will be ready for planting in 1969 or 1970. This agreement arose out of the success of a breeding program started by the Research Branch in 1957. By 1965 the first small number of adequately selected splake were produced at the Southern Research Station. Additional numbers are in culture and will come through the selection procedures during 1966 and subsequent years.

### FORESTRY SECTION

SILVICULTURE - studies of forest culture, growth and reproduction of the important tree species and associated vegetation. Research includes studies of logging effects upon forest stands; cultural herbicides and controlled fires, seeding and planting. SITE RESEARCH - evaluation of soil features, climate and nutrients to determine best use, and rate of productivity. TREE BREEDING - selection and breeding of forest tree strains of superior quality and resistance to disease. REFORESTATION (Nursery and Planting Practices) - to assist in solution of nursery problems and the planting and care of plantations. MISCELLANEOUS - Wood Quality; Forest Mensuration, Mathematical Statistics, and Economics; White Pine Blister Rust Reconnaissance Surveys.

Two examples of recent developments:

TUBED SEEDLINGS. The first large-scale planting of tree seedlings grown in tubes is scheduled for 1966. Between 1957 and 1965 the Research Branch developed this new method to supplement, under certain conditions, the planting of nursery-grown trees. One advan-

tage of the tube method is that the seedlings may be planted in the summer months, almost immediately after a requirement arises, as in the case of a forest fire. Another advantage is that tubes may be planted several times faster than nursery seedlings.

In preparation for the 1966 operational planting by the Timber Branch, the Research Branch undertook in 1965 certain refinements of the equipment and methods they had developed in their experiments. The improvements included pre-treatment of seeds to promote uniform and rapid germination, regulation of watering in the special plastic field nurseries to promote best root growth in the 3 x 9/16 inch tubes, fertility and acidity-level ratings to meet different site requirements, and many improvements in the equipment and instruments designed originally as prototypes for research only.

SILVER MAPLE AND COTTONWOOD. The Southwestern Unit of the Forestry Section has been concentrating on the rehabilitation of the forest land in southwestern Ontario much of which is in a derelict condition following improper logging methods in the past and the destruction of the elm by the Dutch elm disease.

In 1965 particular attention was given to the propagation and cultural treatment of silver maple and eastern cottonwood to replace the elm lost. The work included advanced thinning studies of stands of coppice origin, establishment of silver maple and eastern cottonwood on a variety of sites, selection of high-quality specimens (phenotypes) asexual propagation of selected phenotypes by budding, layering and rooting of cuttings, seasonal growth studies of silver maple and correlation of growth with a variety of site factors such as temperature, precipitation, flooding and defoliation.

### MECHANICAL RESEARCH SECTION

It is the special province of the Mechanical Research Section to design, develop, adapt, modify or construct equipment and instruments to meet the special needs of the Department, especially the Research Branch. Also to test and evaluate equipment and materials, and to provide engineering services as required for the solution of technical problems which arise.

Samples of more recent products:

Further design refinements were made to the Helicopter Aerial Seeder used by the Timber Branch in direct seeding tests. Development was initiated of an adaptation for metered broadcasting of seed and fertilizer from fixed-wing aircraft.

A portable gasoline-powered tree-core borer was designed and constructed to obtain large-diameter cores for experimental wood pulping in connection with the Wood Quality project.

An experimental endurance testing apparatus was constructed for the Fisheries Section to measure water pollution effects on smallmouth bass. Reduced swimming ability against current is indicated. A rotating sand and acid solution power mixer was constructed, to determine the rate of release of nutrients from mineral samples, for use in site research.

A pressure bomb instrument (pressure chamber) was constructed for use in site research to measure sap pressures in twigs and stems, indicative of moisture deficit effects on trees.

A portable battery-operated centrifuge was devised for the Wildlife Research Section for field processing of blood samples taken from upland game.

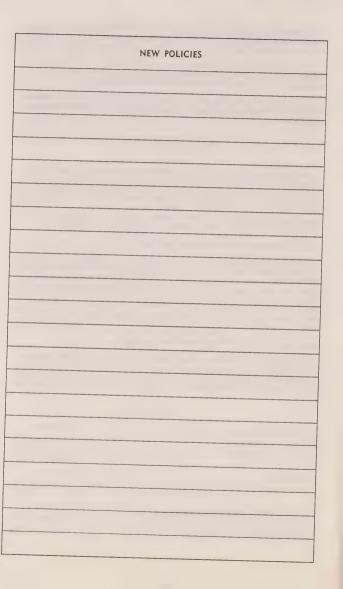
### WILDLIFE SECTION

Collects basic information and develops techniques to assist management. BIG GAME - white-tailed deer, moose, woodland caribou. PREDATORS - timber wolves. UPLAND GAME AND WATERFOWL - small game animals, such as pheasants and rabbits. WILDLIFE DISEASES AND PARASITES - identification, frequency, distribution and effects. FURBEARERS - habits, behaviour and environment affecting numbers of such animals as beaver and marten.

Two examples of recent developments:

POLAR BEARS. For the past three years biologists in the Research Branch have been observing polar bears which inhabit the Hudson Bay coast of Ontario during the summer and early autumn when the sea is more or less ice-free. In some years there may be more than 80 bears along the shore, most concentrated around Cape Henrietta Maria and some nearby islands. Females den in the muskeg, sometimes over 100 miles from the sea, where they have their cubs in midwinter. There is no open season for polar bears in Ontario as there is as yet little known about their numbers and of the effects that sports hunting would have on them.

MAP OF PATRICIAS. The Wildlife Research Section prepared in 1965 a detailed cover-type map of the Patricia Districts north of latitude 54°. This is the first map of this kind covering this area, and will be useful for many other purposes in addition to wildlife work.



### TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J. F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

- J.A. Brodie was appointed Director of the Forestry Study Unit established on August 31, 1964.
  - M.B. Morison was appointed Chief on September 1, 1964.

### TIMBER BRANCH

Chief: M. B. MORISON

### REFORESTATION SECTION

Supervisor: R.W. Hummel

Tree Production and Distribution Soil Amendment Programmes Extension Forestry

### SILVICULTURE SECTION

Supervisor: A.J. Herridge

Forest Inventory Management Planning Silviculture Operations

### TIMBER SECTION

Supervisor: J.W. Giles

Licensing, Records Marketing and Forest Economics Scaling

Special Projects

### REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904. Moved to St. Williams in 1908, this nursery transferred to the Department of Lands and Forests in 1912 and became the foundation of the present reforestation programme.

Reforestation Section is responsible for:

- (a) the collection, processing, storing and distribution of sufficient quantities of tree seed to meet the requirements of private and Crown land planting and seeding projects.
- (b) the production and distribution of nursery stock for private demand, for approved Crown projects and for special demand such as Department of Highways roadside plantings.
- (c) the improvement of tree seed of important commercial species through the establishment and development of seed orchards and seed production areas.
- (d) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes.
- (e) recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (f) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (g) an extension service to provide information and advice relative to forestry problems on private lands, and financial assistance in the form of free forestry service in reforestation and woodlands improvement for private landowners entering into agreement with the Minister under The Woodlands Improvement Act.

### REFORESTATION ESTABLISHMENTS

As at March 31st, 1966

SEED PLANTS		YEAR ESTABLISHED
		ED1 ADLIIONED
Angus		1923
St. Williams		1908
		1300
FOREST STATIONS		
Chapleau		1956
Dryden		1958
Fort William		1946
Gogama		1956
"Kemptville		1946
windiurst		1922
"Orono		1922
Sault Ste. Marie		1956
TSt. Williams	*****	1908
Swastika		1958
White River		1956
MURCERY STOCK		
NURSERY STOCK furnished	in year ended March	31, 1966
White Spruce 15, 431, 396	Silver Maple	209, 491
White Pine 9,736, 170	Red Oak	147, 845
Red Pine 7, 838, 599	European Larch	111,720
Jack Pine 7, 228, 875	Black Locust	79, 225
Black Spruce 4,019,400	Tamarack	54,050
Scotch Pine 2, 024, 198		
	White Ash	43, 154
White Cedar 753, 620	Others	51,876
Carolina Poplar 417,440 Norway Spruce 370,965	Educational and	
	Scientific Uses	225, 055
Red Spruce 276,775	TOTAL	49, 019, 854

<sup>\*</sup>Demonstration forests. All forest stations include tree nurseries.

# FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

	NO. OF
PERIOD	TREES
1905-1912	1, 480, 539
1913-1925	13, 096, 866
1925-1930	46, 642, 175
1930-1935	51, 996, 837
1935-1940	67, 900, 012
1940-1945	57, 617, 763
	10 175 575
1945-1946	13, 175, 575 12, 269, 533
1946-1947	13, 049, 776
1947-1948	17, 700, 970
1948-1949	19, 027, 807
1949-1950	19,021,001
	20, 749, 268
1951-1952	24, 241, 754
1952-1953	23, 448, 860
1953-1954	25, 519, 383
1954-1955	28, 351, 483
1955-1956	20, 00-,
1956-1957	31, 081, 112
	25, 854, 262
	33, 414, 110
	41, 682, 125
1959-1960 1960-1961	49, 833, 412
1960-1961	
1961-1962	43, 194, 863
1962-1963	43, 767, 916
1963-1964	43, 922, 685
1964-1965	49, 484, 068
1965-1966	49, 019, 854
1300-1000 ********************************	
TOTAL	747, 523, 008
DISPOSITION OF NURSERY STOCK	
1066 21 1066	
in year ended March 31, 1966	
	11, 312, 900
Furnished in respect of private lands Furnished for educational or scientific purposes	225, 055
Furnished for educational of Scientific purposes	34, 481, 899
Furnished for use of OntarioFurnished for use of Quebec (trees sold to	-, ,
provide assistance in a period of rapid	
expansion)	3,000,000
expansion)	
TOTAL	49,019,854
TOTAL	

# TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

1956-66	2,790,025 1,231,925 1,282,210 1,944,450	6,016,650 484,275 6,284,650 1,392,875 457,425	1,214,950 504,675 1,284,025 5,204,555 703,450	1,375,425 1,854,400 3,654,175 2,303,370 307,050	755,400 1,016,375 1,688,725 745,025 1,033,825
1966	182,950 108,460 110,125 218,575	281,150 40,000 284,975 81,650 52,550	130,950 62,375 169,850 378,750 59,300	85,625 161,000 256,725 182,225 70,500	65,425 69,025 190,825 45,175 57,300
1965	243,475	271,000	120,250	93,000	71,725
	83,450	22,875	41,625	224,450	110,550
	94,850	480,600	141,450	313,375	162,350
	216,125	65,475	466,950	190,150	65,500
	2,375	56,525	85,350	69,625	87,525
1964	229,525	353,125	107,575	122,925	30,550
	93,350	56,825	26,175	146,900	78,875
	97,025	394,400	135,050	251,400	121,625
	215,850	130,750	260,550	190,800	71,575
	3,500	36,225	76,375	48,175	59,125
1963	266,075	430,525	128,950	114,950	33,875
	99,650	39,600	61,775	153,150	96,075
	94,800	240,750	169,000	389,750	146,225
	223,750	135,450	352,675	205,950	73,400
	60,450	38,525	58,075	42,950	107,975
1962	221,525	425,725	146,325	139,450	49,675
	130,050	58,875	75,525	148,625	134,225
	148,575	257,675	189,800	305,900	125,400
	290,925	96,225	365,625	201,250	105,250
	59,350	26,300	106,725	34,850	96,325
1961	281,950 140,425 156,400 145,125 54,550	877,600 86,425 544,475 220,425 56,325	138,200 78,900 217,575 710,825 111,625		75,650 134,175 179,625 123,050 92,825
COUNTY OR DISTRICT	Algoma	Dufferin	Grenville Grenville Grey Hald mand	Halton	Lambton

499,425 983,200 2,542,725 3,508,200 1,207,150	2,175,800 2,589,925 5,116,425 1,282,625 4,866,200	4,517,125 968,550 1,612,215 1,737,200 283,350	989,725 3,440,350 882,975 12,038,420 456,350	1,330,625 2,131,055 249,700 949,375 2,160,350	1,686,750 3,804,556 2,740,425 6,997,730	11,312,900 120,058,130
35,700 3,175 258,450 191,850	211,300 149,725 548,550 102,575 128,300	616,075 276,625 138,750 143,050 38,150	79,100 289,525 102,950 1,546,500 20,950	185,250 654,475 15,200 60,700 199,625	224,725 528,900 315,100 786,575	11,312,900
52,650 27,775 240,575 151,600 32,275	230,625 148,700 348,075 203,075 262,325	576,175 77,850 112,650 79,225 49,150	63,175 252,575 139,075 1,326,350 75,500	167,200 682,230 23,900 72,275 218,675	184,225 389,800 284,950 538,700	10,791,980
31,900 21,625 265,275 201,825 84,550	249,325 96,425 342,325 96,900 235,850	376,850 40,750 142,175 63,300 14,525	71,350 288,550 108,250 700,325 56,575	190,325 184,550 19,175 112,400 150,625	259,500 442,800 216,675 613,450	9,016,400
53,050 29,600 287,625 199,850 59,725	273,050 131,900 459,625 101,125 280,225	503,725 64,000 120,700 170,425 24,075	92,800 391,550 5,200 616,525 91,600	134,775 188,750 14,600 135,600 201,200	205,975 197,650 205,350 592,675	9,597,300
79,150 68,600 494,425 271,775 90,975	289,150 354,675 468,675 146,750 339,300	602,925 46,625 128,675 221,025 37,325	146,000 458,150 78,700 821,350 51,375	121,875 315,975 28,075 138,450 181,650	227,275 299,850 257,825 799,000	11,505,775
28,925 50,375 301,125 288,150 91,175	317,125 255,550 652,550 119,625 450,600	414,050 53,550 123,700 747,025 51,525	140,425 389,875 165,875 1,085,925 115,225	169,700 271,075 17,700 129,800 176,975	134,175 224,800 315,700 916,300	13,708,050
Lincoln	Northumberland Ontario Oxfor. Parry Sound	Perth	Rainy River Renfrew Russell Sincoe Stormont	Sudbury Thunder Bay Timiskaming Victoria	Welland	TOTAL

# FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1966

CONSERVATION AUTHORITIES		ate of	Added during	BER OF ACRES
	Agı	reement	1965-66	Total
Ausable River. Big Creek Region Catfish Creek Central Lake Ontario.	Dec Dec Sep	2, 1954 19, 1962	122.00 50,00	4, 249, 00 3, 247, 90 501, 00 195, 00
Crowe Valley. Ganaraska Region. Grand Valley Lakehead Region.	Aug Jan, Mar May	31, 1947 18, 1952	16.00 333.31	200.00 8, 148.60 5, 766.37 12.50
Lower Thames Valley Maitland Valley. Metropolitan Toronto and Region Moira River.	Aug Apr Apr Nov	1, 1955 11, 1951	50.00	1, 256. 70 300. 00 949. 00 1, 928. 00
Napanee Valley Niagara Peninsula North Grey Region Ottonabee Region	Oct. June June May		1, 177. 00 536. 00	14, 615.00 6, 145.00 186.00 6, 369.00
Otter Creek. Sauble Valley. Saugeen Valley South Nation River	Apr. Sept. Dec. Mar.	26, 1957 29, 1959 15, 1952 28, 1960	62.00 596.00 615.00	1, 215.00 1, 497.00 2, 698.00 11, 958.00
Spencer Creek. Sydenham Valley. Upper Thames River	Oct. July Apr.	19, 1962 13, 1965 11, 1951	664.00 150.00	1, 030, 50 150, 00 3, 364, 36
Sub-Totals			4, 371. 31	75, 981. 93
TOWNSHIPS				
Bonfield . Charlottenburgh . Cramake . Cumberland .	Apr. Apr. Jan. May	1, 1952 1, 1955 14, 1964 29, 1952		60,00 175,00 162,00 808,44
Darlington . Galway & Cavendish	Aug. Nov. Dec. Nov.	19, 1964 1, 1952 30, 1963 21, 1953		140.00 619.00 90.00 200.00
Mosa. Torbolton Williamsburgh.	July Mar. Oct.	16, 1964 28, 1953 19, 1962	72, 00	144.00 430.80 400.00
Sub-Totals			72.00	3, 228. 44

### FOREST AREAS MANAGED BY THE MINISTER (Continued)

	D-4				ER OF ACRES
CONSERVATION AUTHORITIES	Date Agree			Added during 1965-66	Total
COUNTIES					
BrantBruce CarletonDufferin	Nov. Jan. July Nov.	20,	1952 1950 1964 1930	80.00	50.00 15, 533.35 680.00 2, 305.00
Grey. Halton Huron Kent.	Dec. Mar. Nov. Dec.	14, 27,	1937 1950 1950 1953	100.00	8, 378. 08 1, 298. 63 1, 439. 00 75. 39
Lanark Leeds & Grenville Lennox & Addington Middlesex.	July Apr. Apr. Mar.	24,	1940 1940 1952 1954	89.00 1,336.00 70.00	3, 435.00 7, 600.50 1, 186.00 1, 189.50
Northumberland & Durham. Ontario Oxford Prescott & Russell.	June July Sept. Mar.	9,	1924 1930 1950 1937	739, 00 82, 20	4, 877. 00 2, 739. 00 716. 56 23, 568. 03
Renfrew	Dec. June Sept. Aug.	19, 20,	1951 1925 1949 1928	1, 095.00 543.70 1, 275.00	7, 078. 00 19, 512. 74 2, 048. 45 8, 319. 00
Waterloo. Wellington Wentworth York	Apr. June Nov. Mar.	18, 27,	1950 1964 1952 1924	55, 62	710.48 1, 100.00 889.30 4, 129.70
Sub-Totals				5, 465. 52	118, 858. 71
GOVERNMENT OF CANADA					
National Capital Commission	Aug.	16,	1961		3, 632.00
TOTALS				9, 908. 83	201, 701. 88

NEW POLICIES	
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NEW POLICIES
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### SILVICULTURE SECTION

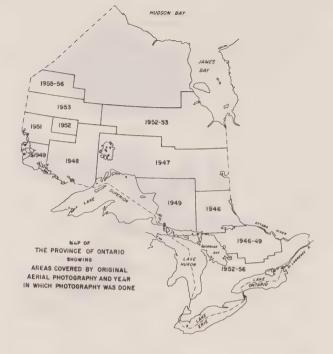
The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.



A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203, 500 prints from aerial photographs covering 284, 906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.

The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By March 31, 1965, approximately 137, 200 square miles had been rephotographed, and detailed forest stand data had been obtained on 35, 137 square miles.



The program of tree planting, seeding and stand improvement is to maintain the productivity of Crown Lands. Thus a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. In order to expand this program the Department and forest industry companies have signed Regeneration Agreements whereby the use of Company labour, camp facilities and equipment can be utilized in this work. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.

A new regeneration technique has been introduced this season on an operational scale. It involves the growing and planting of tree seedlings in a plastic tube container. It is felt that these "tubed seedlings" will prove a very efficient and economical means of regenerating forest lands.



	MANAGEMENT UNITS	as of March 31st	
Year	Company	Crown	Total
7054	27	87	123
1954	36		
1955	36	81	117
1956	39	82	121
1957	41	80	121
1958	43	81	124
1959	48	77	125
1960	101	72	173
1961	79	76	155
1962	79	78	157
1963	77	79	156
1964	75	81	156
1965	71	.81	152
1966	67	78	145

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

							Total Cit Olish	TOT	
Operations		1959	1960	1961	1962	1963	1964	1965	1966
Scarification and other site preparation	ther	000,6	8,824	4,247	1,035	2,307	3 802	2 103	
scattering or seeding	18	•	•	:	2,263		3,203	5,529	4,127
Leaning and clearing Brush Control Prescribed Burning	60	2,507	1,745	5,208	12,053	6,768	9,581	7,545	1
Thinning		0			•	00	26	1,560	
Pruning. Xmas Tree Culture		0000	76	1,158 4,080 706	583 4,870 509	2,286 3,111 Discontinued	1,973	3,549	
Improvement Cutting	pu	•	•	2,525	2,810	1,496	352	1.074	
Polsoning	:		772	2,912	2,754	3,182	6.655	4 974	010
Tree Marking		• • •	406	3,328	1,498	7,465	31	19,047	16,222
Deer Yard Improvement	t	•	•	•			647	1,047	1,340
T OTAL.	2	20,619	12.227	24 678	22 203		004	2,463	9,173
* preliminary figure				040	197, 26	32,311	36,534	60,052	78,839
3									

TREES PLANTED ON CROWN LANDS in years ending March 31st

1956-66	2,308,539 28,320,564 15,141,145 15,141,145 16,844,900 17,843,660	24,688,797 382,805 13,169,634 883,532 5,189,178	6,927,981 3,336,961 7,754,299 7,412,532 11,166,031	13,533,878 27,911,331 2,831,446 15,182,619 16,171,477	9,621,122 6,717,090 406,408	0 242,445,929	8 274,521,348
1966	409,915 3,552,475 2,232,000 779,400 2,031,775	4,135,125 47,800 2,708,375 37,075 849,050	603,500 45,320 1,644,000 458,200 937,255	1,337,600 2,827,895 695,500 1,931,700 2,146,825	693,850	30,432,110	35,998,838
1965	178,490 4,541,825 2,107,400 1,511,400 2,656,110	3,938,300 41,540 2,047,000 87,795 463,600	846,359 61,475 957,800 639,380 1,628,595	1,603,000 3,922,200 590,100 2,528,720 1,950,057	1,034,000	33,719,146	40.744.221
1964	208,345 3,401,050 1,830,000 1,201,300 3,024,070	3,818,975 1,443,500 1,443,500 58,040 1,080,600	542,090 168,067 849,000 364,948 1,374,600	2,015,000 3,402,885 250,400 1,759,337 1,633,068	1,356,050 954,350	30,754,175	34,752,240
1963	145,362 3,538,120 1,786,000 1,204,100 1,851,785	4,210,925 51,000 1,216,275 73,295 369,900	489,700 263,293 643,000 545,165 1,207,022	1,491,800 3,828,956 141,200 1,890,525 2,246,795	912,000 905,500 79,303	29,091,021	33,958,450
1962	104,458 2,691,500 1,547,250 418,946 1,144,650	3,695,525 15,025 1,214,400 114,406 479,206	606,987 580,445 828,806 599,111 1,260,236	1,702,275 3,682,390 211,700 1,840,889 2,124,903	938,010 699,050 102,552	26,602,720	31.666.580
1961	97,633 3,568,850 2,077,248 993,000 1,816,450	3,283,400 53,950 1,308,759 170,077 518,612	829,392 504,163 1,051,694 1,142,080 1,139,875	1,960,575 3,534,145 300,000 2,374,314 1,925,343	1,268,600 1,575,125 71,323	31,564,608	35,630,393
DISTRICT	Aylmer	Gogama Hespeler Kapuskasing Kemptville	Lindsay Maple North Bay Parry Sound Pembroke	Port Arthur Sault Ste. Marie Sioux Lookout Sudbury Swastika	Tweed	TOTAL	Trees Planted

185

# TREES PLANTED ON FORESTS MANAGED BY THE MINISTER I

	1050 1000	2.272.685	300,738	83,000	2,553,150	357,505	1,590,800	20,000	15,000	78,276	1,828,027	30,000	14,283,454	51.375	36,000	26,375	9,725	110,275	201,925	961,800
ch 31st	1966	204,650	2,788	0 0 0	145,500	48,200	184,000	• • · · · · · · · · · · · · · · · · · ·	15,000	55,076	51,000	30,000	1,127,069	•	33 000	000000	0 00	18,000	20,000	81,750
in years ending March 31st	1965	399,000	36,000	24,750	63,900	127,900	226,650	20,000		2,600	52,000		1,412,025		10,000	2,375	7.000	45,000	20,000	140,875
	1964	135,550	46,000	127.500	101,600	51,100	307,000	95.325	0 0	11,500	16,000	36,500	1,156,250		• • •	• • •	0 0	10000	100,000	110,000
THE MINISTER	1963	442,500	32,500	343,000	40,000	67,000	30,000	172,170	1.000	115.850	21,000	40.000	070 60% 1	0 0		• •	• • •	90.550	62,000	152,550
	1962	270,500	• • •	273,500	80,400 80,000	120,300		214,700	000,9	423,600	125,000	70,100	0000	• • •			• • •	17,000	50,500	67,500
		254,360	• 0 • 0 • 0 • 0 • 0 • 0 • 0	376,500	60,000	139,750		169,000	13,000	137,500	• • •	2.027.260		25,000	• •		12,025	4,475	• • • • • • • • • • • • • • • • • • • •	41,500
	CONSERVATION AUTHORITY	Big Creek Region	Central Lake Ontario.	Ganaraska Region	Lakehead Region	Metro Toronto & Region Moira River	Niagara Peninsula	North Grey Region	Otter Creek.	Saugeen Valley	Sydenham Valley	SUB-TOTAL.	Chapp le	Charlottenburgh	Cumber land.	Eno	Wachar.	Marlborough. Torbolton	Williamsburgh	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

2,400,280	11 950	776,354	139,000	1,203,979	242,500	12,200	1,924,350	149,400	146,100	633,462	316,900	195,350	6,505,463	3 751 045	CLO TOTO	670,075	1,096,047	308,550	500.400	504,450	22,505,924	40,151,458
328,400		30,204	29,000	36,800	9000		177,800		8,500	19,000	39,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	224,500	214,450	714 100	104,750	44,000	2,000	1,000	35,500	1,474,355	3,011,574
541,850		54,900	3,000	29,950	61,000	4,000	265,200	3,600	22,500	110,000	4,800	11,000	240,125	208 425	070 1470	150,300	44,500	• 6	006667	29,400	2,286,565	4,381,315
658,950		35,000	8.000	45,300	1,800	00000	185,000		8,000	147,500	8,000		405,365	540,000	007,046	93,650	64,756	4,500	2.506	6,800	2,072,865	3,998,065
721,080	000	19,506	12.600	69,480	21,650	000	152,000	114,000	30,500	172,000	3,500	10,000	315,800	283,000	247,400	78,000	185,000	11,500	12.006	38,500	2,028,780	4,867,430
150,000		140,700	3.000	213,300	38,700	0101	146.700	20,500	20,500	136,200	100,600	25,100	239,500	380,000	455,000	196,500	219,256	7,250	12.006	126,800	2,582,460	5,063,860
0		000,66	1.500	40,500	4,500		102,000	12,800	8,000	94,500	12,000	44,000	767,600	162 500	000,641	105,000	85,475	•	55.700	74,250	1,997,025	4,065,785
National Capital Commission	COUNTY	Bruce	Carleton	Grev	Halton	Kent	Leeds & Grenville	Lennox & Addington	Middlesex	and Durham	Ontario	0xford	Prescott & Russell	Renfrew	SIECOE	and Glengarry	Victoria	Waterloo	Wellington	York	SUB-TOTAL	TOTAL

NEW POLICIES	
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### TLMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Three types of licences are issued:

- "District Cutting Licences" small, short-term sales which are administered entirely within a particular district.
- (2) "Licences to cut Crown timber" this is the most common type of tendered sale: it runs for an average of three years.
- (3) "Licences to cut Crown timber approved by Order-in-Council" these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities,

In recent years, some large companies have been guaranteed long-term timber supplies from specific areas by "Volume Agreements". Under this form of tenure, it is the responsibility of the Department to prepare the Forest Management Plan and to select the areas for cutting.

It is the responsibility of the management planning unit to supervise the preparation of plans which will ensure the organization and orderly utilization of Ontario's Crown forests, on a sustained basis. Plans prepared by large companies for the management of their licence holdings, are submitted to this unit for checking and, when satisfied, are recommended for approval. Plans are also prepared by Department staff under the supervision of the management planning unit, for the Crown Management Units for all of the Crown forest areas not covered by company management plans. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in 10 and 20 year periods, a licensee can be shown an assured future wood supply.

The Marketing and Forest Economics Unit carries out detailed economic studies pertaining to forestry and is primarily responsible for assisting in the development of new and expanded forest industry in Ontario. Reports are prepared describing forest industry opportunities in specific localities in the province, in co-operation with other provincial departments and the Federal Government, to provide information for prospective investors in forest products manufacturing.

## PRIMARY GROWING STOCK in 000's Cubic Feet

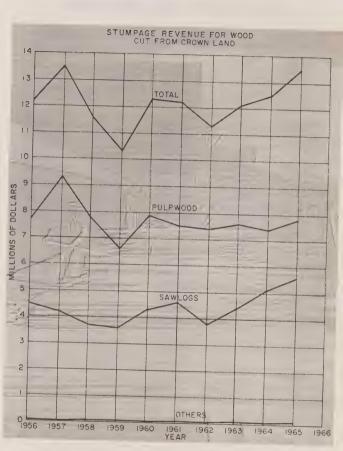
Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

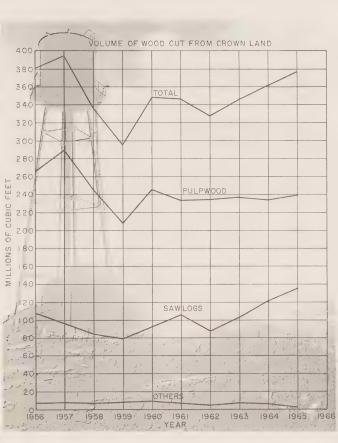
	4''-9''	10" up	
Species	d. b. h.	d. b. h.	Total
White pine	. 759,884	2 126 000	0 000 ===
Red pine	. 262, 259	3, 136, 869 859, 182	3, 896, 753
Jack pine	. 13,637,962	6, 486, 599	1, 121, 441
Pitch pine	90	132	20, 124, 561 222
White spruce	2,844,250	5, 054, 764	7, 899, 014
Black spruce	38.609 370	5, 656, 094	44, 265, 464
Balsam fir	7 548 699	1, 875, 756	9, 424, 455
Hemlock	349 745	1,059,874	1, 409, 619
White cedar	1, 413, 148	1,605,967	3, 019, 115
Red cedar	1,638	545	2, 183
Larch	177, 764	25, 025	202, 789
Total Conifers	65, 604, 809	25, 760, 807	91, 365, 616
Sugar maple	1,917,892	4, 488, 726	0 400 040
Soft maple	460, 542	405, 293	6, 406, 618
Yellow birch	503, 134	3, 682, 764	865, 535 4, 185, 898
Beech	183,503	446, 277	629, 780
Elm	346, 282	723, 814	1,070,096
Ironwood	172, 359	22, 294	194, 653
Red oak	228, 796	240,059	468, 855
White oak	21, 837	34, 385	56, 222
White birch	10,026,642	6, 188, 709	16, 215, 351
Poplar	13, 709, 143	14, 373, 889	28, 083, 032
Ash	351, 292	268, 479	619,771
Basswood	102, 957	279,049	382,006
Black cherry	59, 881	28, 637	88,518
Butternut	1, 388	3,601	4,989
Other hands a de	24, 375	15, 342	39,717
Other hardwoods	5,024	1,476	6,500
Total Hardwoods	28, 115, 047	31, 202, 794	59, 317, 841
TOTAL ALL SPECIES.	93,719,856	56, 963, 601	150, 683, 457

### ANNUAL ALLOWABLE CUT in 000's Cubic Feet

Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine	32, 254	13,737	45, 991
Red pine	13, 871	3, 216	17,087
Jack pine	413, 427	16, 332	429,759
Pitch pine		6	6
White spruce	105,027	12,711	117,738
Black spruce	551, 794	21, 943	573,737
Balsam fir	139, 345	19,912	159, 257
Hemlock	5,031	5, 430	10, 461
Cedar	15, 893	12, 687	28,580
Larch	2, 459	849	3,308
Total Conifers	1, 279, 101	106, 823	1, 385, 924
Sugar maple	30,476	42, 957	73,433
Soft maple	1,725	26, 825	28, 550
Yellow birch	37, 858	12, 534	50, <b>392</b>
Beech	1, 687	4,611	6, 298
Elm	675	16, 606	17, 281
Ironwood	573	1, 984	2,557
Red oak	149	4, 950	5,099
White oak	6	673	679
White birch	263, 626 702, 313	31, 863 140, 798	295, 489 843, 111
Ash	1,774	6,638	8, 412
Basswood	1, 489	7,973	9,462
Black cherry	115	1, 102	1, 217
Butternut		92	92
Hickory	6	729	735
Other hardwoods	1,720	91	1, 811
Total Hardwoods	1, 044, 192	300, 426	1, 344, 618
TOTAL ALL SPECIES.	2, 323, 293	407, 249	2,730,542





YOLUME OF WOOD CUT BY SPECIES - 0001s cubic feet in years ending March 31st

3 2 2 2 2 2 3 3 3 4 4 5 2 5 2 5 2 5 2 5 2 5 3 3 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	SPECIES	1947	1948	1949	1950	1921	1952	1953	1954	1955	1956
11,563 15,003 13,802 9,418 12,547 16,057 11,860 13,223 14,093 5,731 5,273 6,299 5,753 6,799 5,753 6,799 5,753 6,799 5,753 6,799 5,753 6,799 5,753 6,799 5,703 188,645 208,678 174,652 134,310 207,318 25,818 155,873 163,447 175,668 1,185 1,951 1,554 1,546 1,057 1,020 1,576 1,052 1,054 1,185 1,052 1,054 1,185 1,052 1,054 1,185 1,052 1,054 1,185 1,052 1,054 1,185 1,052 1,054 1,185 1,052 1,054 1,185 1,052 1,054 1,185 1,053 1,054 1,185 1,053 1,054 1,185 1,053 1,054 1,185 1,054 1,054 1,185 1,054 1,054 1,185 1,054 1,054 1,185 1,054 1,054 1,054 1,054 1,185 1,054 1,054 1,054 1,054 1,054 1,185 1,054 1,054 1,054 1,054 1,185 1,054 1,055 1,054 1,054 1,055 1,054 1,054 1,055 1,054 1,054 1,055 1,055	SOFTWOODS										
Hemlock 5,731 5,272 6,299 5,753 6,679 8,933 5,808 4,368 3,872 8,874 8 1,862 8,147 8 1,874 8 1,862 8,147 8 1,874 8 1,862 8,147 8 1,874 8 1,862 8,147 8 1,874	Balsam	11,563	15,003	13,802	9,418	12,547	16,057	11,860	13,223	14.093	14.374
188,645 208,678 174,652 134,510 207,318 251,831 155,873 163,447 179,656 1,88 1,779 188,645 208,678 174,652 134,510 207,318 251,831 155,873 163,447 179,666 1,185 1,951 1,546 1719 673 4,677 3,396 2,354 3,001 1,556 13,653 2,499 1,576 1,5	HemlockJack Pine		5,272	6,299	5,753	6,679	8,933	5,808	4,368	3,872	5,321
Fuelwood. 1,185 1,951 1,546 719 673 4,677 3,396 2,354 3,001    HARDWOODS  Birch	Spruce		26,315 208,678	30,459	25,586 134,310	30,605 207,318	34,334 251,831	81,644 34,562 155,873	75,488 27,612 163,447	81,779 30,528 175,666	33,679
Birch	Fuelwood		1,951	1,546	719	673	4,677	3,396	2,354	3,001	2,401
4,092 4,764 5,541 6,303 6,679 7,892 8,623 8,589 7,506 7,506 11,797 2,053 2,499 1,976 2,361 3,592 3,043 2,207 2,265 12,026 11,576 13,652 1,026 11,652 1,054 1,166 5,88 1,530 1,577 1,293 1,802 1,555 1,061 1,148 1,145 1,335 1,988 28,585 28,605 309,724 3,21,679 21,780 23,807 16,628 23,231 36,398 28,483 28,56 25,081 334,806 3 10,756 11,473 1 10,473							•	•		22	32
580 1,755 1,061 1,148 1,145 1,535 1,577 1,293 1,802  11,845 342,951 308,761 234,098 343,530 424,936 293,352 286,605 309,724 3.  21,679 21,780 23,807 16,628 23,231 36,398 28,483 28,536 25,081 333,524 364,751 332,568 250,727 366,761 461,334 321,835 315,141 334,806 31  Levy not included) 10,428 10,756 11,473 1	Birch Maple Poplar	4,092 1,797 14,190	4,764 2,053 11,576	5,541 2,499 13,653	6,303 1,976 6,036	6,679 2,361 12,478	7,892 3,592 22,049	8,623 3,043 14,272	8,589 2,207 15,756	7,506	7,437
11,845 342,951 308,761 234,098 343,530 424,936 293,352 286,605 309,724 3. 21,679 21,780 23,807 16,628 23,231 36,398 28,483 28,536 25,081 333,524 364,751 332,568 250,727 366,761 461,334 321,835 315,141 334,806 37  Levy not included) 10,428 10,756 11,473 1	Others	580	1,755	1,054	1,166	1,145	1,530	1,577	1,293	1,802	1,813
11,845 342,951 308,761 234,098 343,530 424,936 293,352 286,605 309,724 348, 21,780 23,807 16,628 23,231 36,398 28,483 28,536 25,081 31,833,524 364,751 332,568 250,727 366,761 461,334 321,835 315,141 334,806 379, evy not included)	TOTALS								4	4	67%
ley not included) 10,428 10,756 11,473 12,	Softwoods Hardwoods	311,845 21,679 333,524	342,951 21,780 364,751	308,761 23,807 332,568	234,098 16,628 250,727	343,530 23,231 366,761	424,936 36,398 461,334	293,352 28,483 321,835	286,605	309,724	348,352
	Total Value	levy not	included)	• • •	•	•		10,428	10,756	11,473	12,039

VOLUME OF WOOD CUT BY SPECIES - 0000's cubic feet in years ending March 31st

SPECIES	1957	1958	1959	1960	1961	1962	1963	1964	1965
SOFTWOODS									
Balsam	13.766	12,213	10,988	13,051	4,766	12,316	11,174	10,219	11,454
Codar	284	711	280	268	331	341	105	187	1/1
Hemlock	5.050	2,567	3,046	3,768	2,780	2,429	1,841	250,5	071,00
Tack Pine	266.66	78,225	68,415	78,243	76,857	70,903	78,485	87,73	07,010
Red Pine	6,150	4,989	3,581	6,188	5,037	5,291	6,029	0,440	1,42,1
Scotchara								• • • • • • • • • • • • • • • • • • • •	77 70
White Pine	26.171	20,249	18,025	22,300	19,150	17,606	21,930	24,409	707, 47
Springers	207,392	180,006	157,544	186,920	191,047	178,063	182,327	183,756	175,017
Tamarack	56	64	25	5.6	75	36	39	27	0 0 0
Ymas Trops	22	8	11	3	_	7	- 1	1 .	OT.
Fue lwood	2,536	2,359	2,338	1,525	1,476	905	827	452	435
HARDWOODS									
		0	13	00	100	59	100	95	104
Ash	46	7.7	600	000	103	0 110	434	575	480
Basswood	295	274	319	202	407	000	100	403	350
Beech	160	136	131	273	382	175	0/7	000	
White Birch	1.314	1,458	1,339	1,426	1,784	1,754	2,295	5,752	255,5
	6.312	7,173	6,165	7,397	6,972	6,925	8,822	8,963	8,983
Dutton Director	-	-	-40		7	7	2	2	- :
Butternut	. O	12*	, r.	27	26	20	18	22	30
Cherry	170	10.1	104	256	261	274	286	267	278
E III	100	176	2 7.20	100 8	1000	5 212	6.537	7.649	8,459
Maple	2,789	4,401	0,00%	177	230	207	276	355	348
0ak	10 244	100	121 71	10 773	18 356	21.256	22,907	25,995	20,654
Poplar	17 , 244	507,07	11,147	17977	200	1 186	1 137	1,162	1,166
Fue Iwood	1,982	L,552	1,630	1 2 4 1 X	T 3 4 0 4	79 100	10464	1016	
TOTALS					1		0 0 0 0		222 014
Softwoods	361,424	301,390	264,253	312,292	311,519	27,024	307,730	49,300	44, 195
Hardwoods	33,630	35,448	31,333	348 140	347 112		345,850		376,209
Total Value	13,363	11,412	10,155	11,824	12,048		12,057		13,417
(\$000's export	levy not	included)							

TIMBER CUT IN DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1966

	Value	\$ 558 1,213 334	1,799	1,907	1,112	786	335	1,283	721	308	194
	Bonus	\$ 44 175 62	159	332 164	101	37	182	490 191 362	06	76	21
É	Dues	\$ 514	313	4 4		373	153	1,092	631	232	86
† Xmas	TLAGS	: : 87	¬ :	• • •	:	• •	: :		:	: :	• •
Total	Olumo	20,754 35,258 11,480	11,821	33,396	64	1,784	0,778	36,787	23,531	9,498 18,081 4 853	3,348
(d) Misc.		1,162	290	22		• • •		599	347	993	4
Fuel		122 122 83 83	112	3.	10	2000	26	31	700	113	6
Pulp	0	29,167 9,423 52,976	2,707	32,357	21	4,414	2,212	1,197	5 877	6,079	702
*Boom Timber	1	444	213	267	• -	143	681	22 180	66	160	9
Sawlogs	12 204	3,223	3,075	719	· · · · · · · · · · · · · · · · · · ·	266	0 191	509	2,508	8,374	7,627
Ontario Scale	160	1,540	5,524	****	1,735	12,386 5,346	14,895	13,725	912	2,362	•
Permits Issued	61	425 341 122	23 472	375	42	292	108	146 195	231	292 172 33	3
DISTRICT	Chapleau	Cochrane Fort Frances Geraldton	Gogama Kapuskasing Kemptville	Kenora	9 Lindsay	Parry Sound	Pembroke	Sault Ste. Marie Sioux Lookout	Sudbury	Tweed	

<sup>\*</sup>Includes piling, poles, dimension timber.

<sup>\*</sup> Number of trees.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

36	<b>v</b> ∞	- 4 S L C	NERVI
Stumpage Value	\$10,756	12,191 13,514 11,565 10,297 12,282	12,182 11,297 12,091 12,506
Bonus	\$2,175	2,573 2,774 2,578 2,346 2,789	2,674 2,522 2,790 2,848 3,191
Dues	\$8,581	9,619 10,740 8,987 7,950 9,493	9,509 8,775 9,302 9,658 10,264
tXmas Trees	43	64 116 23 6	202777
Total Volume	315,141	379,888 395,054 336,838 295,608 348,140	347,112 325,601 345,850 360,065 376,209
(d) Misc.	26,840 8,114	826 858 1,290 1,836 2,038	1,146 1,695 3,195 3,611 4,463
Fuel	3,647	4,214 4,517 3,891 3,968 2,744	2,678 2,091 1,965 1,614 1,601
Pulpwood	225,659	262,146 289,985 245,161 207,003 246,493	232,744 233,782 237,423 231,301 240,209
*Boom Timber	2,378	2,259 2,781 2,796 3,499	2,720 1,474 1,267 1,524 2,467
Sawlogs	12,119	33,326 22,967 27,762 28,687	52,303 30,001 38,321 56,368
Ontario	46,025	77,087 73,986 55,938 51,470 64,571	55,521 56,558 63,678 65,647 68,469
Permits Issued	: :	5,403 5,192 5,051 5,421 5,096	5,114 4,534 4,664 4,392 3,095
Year	1954	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965
			197

(d)Includes Doyle Scale.

† Number of trees in 000's.

\*Includes piling, poles, dimension timber.

TIMBER LICENCES as of March 31st (Areas in square miles)

Year	Number of Licences	Area Under Section 2	Area Under Section 3	Area Under Section 4	Total Area Licensed
1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966	569 569 569 569 569 581 562 590	6,140.05 5,600.65 5,354.80 4,520.62 4,206.22 3,647.71 3,563.07 8,102.08 2,556.89 4,564.98	88,273.71 89,952.49 98,149.46 99,612.16 99,818.60 99,103.39 99,347.87 97,830.82 99,679.49 103,347.49 100,362.79	18.20 4.90	94,585.02 95,754.08 103,685.59 104,332.68 104,211.80 102,888.89 103,065.20 101,085.26 102,254.58 105,917.37 102,830.67

#### MILLS LICENSED as of March 31st

Year		lls (Dail 00's fbm 10-50	.)	Pulp	Ven- eer	Spec- ialty	Total
1955 1956 1957 1958 1959 1960	1,120 1,115 1,120 1,124 1,120 646	159 162 160 158 135 129	58 59 57 57 54 23	29 29 29 29 29 29 24	• •	• •	1,366 1,365 1,366 1,368 1,338 822
1961 1962 1963 1964 1965 1966	668 797 774 723 714 671	121 118 129 112 132 117	27 36 31 34 50 30	24 24 27 27 26 27	23 24 23 28 30	87 76 83 97 89	840 1,085 1,061 1,002 1,030 964

NEW POLICIES
3

NEW POLICIES
1

#### COMMITTEES

#### COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

#### FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research

Advisory Comm for Lake Huron Fisheries Research

Advisory Comm for the Harkness Lab for Fisheries Research

Advisory Comm for the Lab of Experimental Limnology

Advisory Committee on Recreational Land Use Planning Advisory Council to the Ontario Forest Technical School

Atlantic Flyway Council --- Technical Committee

American Ornithologists' Union --- Local Committee for 1967

Canada Land Inventory Co-ordinating Sub-Committee

Canada Fur Council

Canadian Council of Resource Ministers

Canada-Ontario Advisory Committee on Forest Research

Conservation Council of Ontario

Federal-Provincial Advisory Committee --- Resource Development Agreement

Federal-Provincial Committee on Ontario Fisheries

Fish and Wildlife Advisory Committee to Ontario St. Lawrence Development Commission

Great Lakes Deer Group

Interdepartmental Committee on Pollution --- Subcommittee on Food Processing and Industrial Waste.

Interdepartmental Committee on Wildlife Management and Research (Conjoint Committee --- Guelph University, Department of Agriculture and Lands and Forests)

Interdepartmental Centennial Committee

Interdepartmental Rabies Committee (Federal and Provincial Departments of Health and Agriculture, and Ontario Dept. of Lands and Forests)

Minister's Advisory Committee on Indian Affairs

Midwest Pheasant Council (Association of Midwest Fish and Game Commissioners

Mississippi Flyway Council --- Technical Committee International Great Lakes Fishery Commission ---

- --- Sea Lamprey Control and Research Committee
- --- Lake Superior Committee
- --- Lake Huron Committee --- Lake Erie Committee
- --- Lake Ontario Committee

Ontario Council of Commercial Fisheries

Ontario Humane Society --- Committee on Private Zoos

Ontario Waterfowl Research Foundation --- Scientific Advisory Board

Ontario Trappers' Association --- Fur Committee

International Association of Game, Fish and Conservation

Commissioners --- Arrangements Committee --- Program Committee

Educational Leave Committee

#### FOREST PROTECTION BRANCH

Canada-Ontario Advisory Comm on Forestry Research Canadian Council of Resource Ministers --- Advisory Comm Canadian Govt Standards Board --- Comm on Forest Fire Hose Canadian Institute of Forestry --- Youth Training Canadian Standards Association --- Comm on Fire Hose Couplings Conservation Business Management Association Conservation Council of Ontario National Fire Protection Association --- Forests Comm National Research Council --- Associate Comm on Forest Fire

Protection North American Forestry Commission --- Fire Control Working

Ontario Forestry Association --- Forest Fire Prevention Comm Ontario Govt Comm on Pesticides Ontario Professional Foresters Association Ontario Shade Tree Council --- Technical Comm. Western Forestry and Conservation Association.

#### LANDS AND SURVEYS BRANCH

Administrative sub-committee on Townsites Advisory Council on Cadastral Surveys (Canada) Association of Ontario Land Surveys --- Member of Council Canada Land Inventory Co-ordinating sub-committee Canadian Permanent Committee on Geographical Names Co-ordinating Committee on studies of Northern Ontario Water Resources (Ontario-Canada)

International Boundary Commission International Great Lakes Levels Board --- shore property sub-committee International Hydrological Decade

Interprovincial Boundary Commissions Lake of the Woods Control Board Mining and Access Roads Committee National Advisory Committee on Recreational Land Inventory Private Lands Liaison Committee Public Agricultural Lands Committee Water Front Technical Committee (under Metropolitan Toronto). Ontario Water Resources Liaison Committee

#### LAW BRANCH

Fed-Prov Advisory Comm on Resources Management.

#### OPERATIONS BRANCH

American Association for Conservation Information Canadian Association of Purchasing Agents Canadian Public Relations Society --- Seminars Comm on Management

Centennial Project Comm (Ontario)

International Association of Game, Fish and Conservation Commissioners --- Land Resources Comm

International Order of Hoo-Hoo, Toronto Club No. 53 --- 2nd Vice-Pres

International Rescue and First Aid Association --- Past Pres. Board of Directors, 1966 Convention Chairman

National News Week (Toronto Men's Press Club) --- Vice Chairman North American Conservation Hall of Fame --- 1st Vice-Pres Ontario Society of Safety Engineering --- Board of Governors Records Management Comm (Ontario)

Records Retention Comm (Ontario)

Sheridan Park Parks Commission --- Parks Commissioner.

#### PARKS BRANCH

Canadian Institute of Forestry Fed-Prov Parks Conference Federation of Ontario Naturalists Ontario Conservation Council --- Parks Comm Ottawa Valley Parkway Comm Quetico-Superior Joint Advisory Comm Wasaga Beach Advisory Comm --- Chairman, Water Resources Liason Comm.

#### RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research

Advisory Comm for Lake Huron Fisheries Research

Advisory Comm for the Harkness Lab for Fisheries Research

Advisory Comm for the Lab of Experimental Limnology American Fisheries Society

Canada Comm on Freshwater Fisheries Research

Canada-Ontario Advisory Comm on Forest Research

Department Council

Fed-Prov Great Lakes Research Comm

Great Lakes Deer Group

Great Lakes Fishery Commission

--- Advisory Comm

--- Scientific Advisory Comm

--- Sub-Comm on Lake Erie

--- Sub-Comm on Lake Huron

--- Sub-Comm on Lake Ontario --- Sub-Comm on Lake Superior

Great Lakes Institute (University of Toronto)

Guelph University --- Dept of Agriculture --- Dept of Lands and Forests Co-joint Comm

Lake Erie Council of Commercial Fishermen

Lake Erie Fish Management Comm

Lake Ontario Fisheries Management Comm (Ontario-New York) Midwest Wildlife Conference --- Upper Great Lakes Fishery

Commission

Mississippi Flyway (Research) Council National Advisory Comm on Forest Land North American Wildlife Conference Northeastern Forest Tree Improvement Conference --- Site Evaluation Comm

Northeast Wildlife Conference

Ontario Agricultural College Comm on Correlation of Soil and Site Ontario Council of Commercial Fishermen

Ontario Research Foundation

--- Advisory Comm on Research in Forestry --- Advisory Comm on Research in Fish and Wildlife

--- Quality Wood Comm

Ontario Waterfowl Research Foundation --- Scientific Advisory Comm.

#### TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation Comm

Canada Comm on Forest Tree Breeding Canada-Ontario Forest Research Comm

Canadian Institute of Surveying --- Air Photo Interpretation

--- Sub-Comm on Equipment and Techniques

--- Air Photo Interpretation of Forestry and Wildlife Conservation Council of Ontario

Ontario Economic Council

--- Comm on Rural Land Development
--- Comm on Forest Based Industry

Ontario Forestry Association --- Board of Directors

--- Resources Rangers Advisory Comm Ontario Professional Foresters Association

--- Private Lands Management
--- Forest Management

--- Practice and Ethics

--- Public Relations
Photogrametria --- Editorial Comm
Society of American Foresters

--- Forest Mensuration Group

--- U.S. Region Nine Nurserymen's Association.

#### COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

#### CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning Chapleau Area Chamber of Commerce - Director Ontario Professional Foresters Association - Forest Management Planning Comm.

#### COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Lands Comm.

#### FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning Quetico-Superior International Joint Advisory Comm.

#### GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning Search and Rescue Unit

#### GOGAMA DISTRICT

Public Agricultural Lands Sub-Comm Recreational Land Use Planning Comm.

#### KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Land Use Comm Brunetville Rehabilitation Liaison Comm Industrial Development Comm Planning Boards (Kapuskasing and Hearst) Winter Employment Comm.

#### KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont, Glengarry, Prescott and Russell Counties Cataraqui Region Conservation Authority - Reforestation

Advisory Comm Conservation Council of Stormont, Dundas and Glengarry Eastern Ontario Development Association

Gananoque River Waterway Association Interprovincial Conservation Council

Ontario Federation of Agriculture (Leeds, Carleton) Ontario Federation of Anglers and Hunters - Zone 4

Ontario Forestry Association - Tree Farm Comms in Glengarry and Lanark Counties

Raisin River Conservation Authority Rideau River Conservation Authority Reforestation Comms for County Councils of Leeds and Grenville: Dundas, Stormont and Glengarry: Prescott and Russell:

Seaway Valley Travel Council

Soil and Crop Improvement Association --- Land Use Comms for Eastern Ontario and for Leeds, Grenville, Glengarry, Russell, Stormont and Prescott Counties.

South Nation Conservation Authority

St. Lawrence Parks Commission --- Fish and Wildlife Advisory Comm.

#### KENORA DISTRICT

Agricultural Lands Comm (ARDA)

Dryden Conservation Camp --- Advisory Comm Dryden High School Forestry Course --- Advisory Comm

Ontario Professional Foresters Association --- Management Planning Comm

Recreational Zoning Comm.

#### LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board Big Creek Conservation Authority - Fish & Wildlife Advisory Board Caffish Creek Conservation Authority --- Forestry Advisory Board Grand Valley Conservation Authority --- Reforestation Comm Great Lakes Fishery Commission --- Advisory Comm; Lake Erie

Research and Management Comm

Lake Erie Fisheries Research Advisory Comm

Lower Thames River Conservation Authority --- Forestry Advisory Board

Middlesex County Forestry Comm

Niagara Peninsula Conservation Authority --- Reforestation Comm Ontario Professional Foresters Association --- Forest

Management Comm; Chairman, Private Lands Comm Otter Creek Conservation Authority --- Forestry Advisory Board Sydenham Valley Conservation Authority --- Forestry Advisory

UpperThamesRiver Conservation Authority --- Forestry Advisory

#### LAKE HURON DISTRICT

Grand Valley Conservation Authority --- Forestry Advisor Huron District Woodlot Owners Association --- Forestry Advisor Huron County Reforestation Comm

Maitland River Conservation Authority --- Forestry Advisor Ontario Professional Foresters Association --- Education Comm Saugeen Valley Conservation Authority --- Forestry Advisor; --- Fish and Wildlife Advisor

Spencer Creek Conservation Authority --- Forestry Advisor.

#### LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties
Camp Hendrie and Camp Hillsdale Advisory Comm (Dept of Reform
Institutions)

Canadian Institute of Forestry, Southern Ontario Section

Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board

Credit Valley Conservation Authority --- Reforestation and Land Use Advisory Board

Essa Township Conservation Comm

Lake Simcoe and District Maple Syrup Producers Association

Lake Simcoe District Tree Farm Comm

Metropolitan Toronto and Region Conservation Authority --Reforestation and Land Use Advisory Board

Reforestation Comms of County Councils in Simcoe, Dufferin, York and Ontario Counties,

#### LINDSAY DISTRICT

Canadian Institute of Forestry --- Research Communications
Comm; Forest Management Comm

Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board

Durham and Northumberland Counties --- Reforestation Comm Ganaraska Region Conservation Authority --- Forestry Advisory Board

Otonabee Region Conservation Authority --- Reforestation and Land Use Advisory Board; Wildlife Advisory Board Victoria County --- Reforestation and Soil Conservation Comm; ARDA Comm.

#### NORTH BAY DISTRICT

Agricultural Lands Comm Canadian Institute of Forestry Recreational Land Use Planning Comm.

#### PARRY SOUND DISTRICT

Agricultural Land Use Comm North Georgian Bay Advisory Comm Parry Sound Anglers and Hunters Association Recreational Land Use Planning Comm (Parry Sound and Muskoka).

#### PEMBROKE DISTRICT

Canadian Institute of Forestry - program comm County of Renfrew Conservation Comm Ontario Professional Foresters Association - Resolutions Comm Opeonge Line Development Association Renfrew County ARDA Advisory Comm.

#### PORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead College of Arts, Science and Technology --- Forestry
Comm
Private Lands Liaison Comm

Quetico-Superior Joint Advisory Comm Thunder Bay Fish and Game Association.

#### SAULT STE. MARIE DISTRICT

Agricultural Comm
Agricultural Resources Development Association
Agriculture and Conservation Comm - Kiwanis
Canadian Institute of Forestry
Ontario Professional Foresters Association --- Council
Recreational Land Use Planning Comm
Search and Rescue Unit

#### SIOUX LOOKOUT DISTRICT

Agricultural Comm Recreational Land Use Planning Comm.

#### SUDBURY DISTRICT

Lake Huron Fisheries Research --- Advisory Comm Manitoulin Island Conservation Advisory Comm North Georgian Bay Recreational Reserve Comm Recreational Land Use Planning Comm South Bay Mouth Advisory Comm.

#### SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Comm.

#### TWEED DISTRICT

Cataraqui Region Conservation Authority --- Environmental Sciences Advisory Board

Joint Commercial and Sport Fish Comm for the Bay of Quinte Moira River Conservation Authority --- Wildlife Advisory Board Napanee River Conservation Authority --- Forestry Advisory Board

Renfrew County --- Agriculture and Conservation Comm; ARDA Comm.

#### WHITE RIVER DISTRICT

Canadian Institute of Forestry Recreational Planning Comm.

# AREA AND POPULATION BY PROVINCES populations in 000°s

ProvinceArea in Sq. Mi. Date entered Confederation	1871	1891	1911	1921	1931	1941	1951	1961
Ontario412,582	1,620	2,114	2,527	2,933	3,431	3,787	4,597	6,236
Quebec	1,191	1,488	2,005	2,360	2,874	3,331	4,055	5,259
Scotia 21,068	387	450	492	523	512	277	642	737
Brunswick 27,985 July 1, 1867	285	321	351	387	408	457	515	598
P.E. I 2,184	94	109	93	00 00	00	95	98	105
Newfoundland155,364 Mar. 31, 1949	•	•	•	•	•	:	361	458
Manitoba246,512	25	152	461	610	200	729	776	922
Saskatchewan251,700	:	•	492	757	921	895	831	925
Alberta	:	:	374	288	731	962	939	1,332
British Columbia366,255	36	86	392	524	694	817	1,165	1,629
Territories**	48	86	15	12	13	16	25	300
CANADA3,845,774	3,689	4,833	7,206	8,787	10,376	11,506	14,009	18,238

\*\*Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

#### HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established.

  First Commissioner of Crown Lands appointed. SurveyorGeneral of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department establisted to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.

  Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate.

  Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named South ern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed,

Land Agencies incorporated in Districts.

- 1943 Geraldton District established. Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe: South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound: Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region). The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management begain in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abol-

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

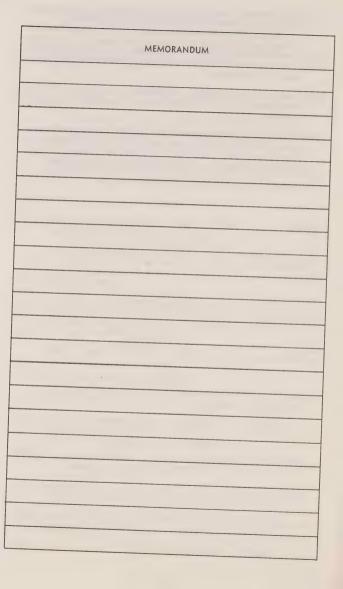
- 1958 Surveys Act completely revised. Silviculture becomes the third Branch in Division of Timber. Land Use Planning Section created in Lands and Surveys.
- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st. Law and Personnel become Branches.

- Thirty-five wilderness areas established under The Wilder-1960 ness Areas Act, March 26th, 1959.
- Sections 44 to 61 of The Public Lands Act, dealing with agri-1961 cultural land disposition, repealed March 29th.
- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.
- 1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

- 1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.
- 1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.



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STATISTICAL Government

REFERENCE

OF

LANDS AND FORESTS

**ADMINISTRATION** 



DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE, Minister G. H. U. BAYLY,
Deputy Minister



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Government
Publications

### STATISTICAL REFERENCE OF

## ADMINISTRATION

1968

OPERATIONS BRANCH



DEPARTMENT OF LANDS AND FORESTS

HON. RENE BRUNELLE, Minister G. H. U. BAYLY, Deputy Minister

NEW POLICIES

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#### **FOREWORD**

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1967 season and are subject to correction in the Annual Report for the year ending March 31st, 1968.

#### PREMIERS OF ONTARIO SINCE CONFEDERATION

	From		To	
Hon. John Sandfield				
Macdonald	July	16, 1867	Dec. 19, 1871	
Hon. E. Blake	Dec.		Oct. 25, 1872	
Hon. Sir Oliver Mowat	Oct.	25, 1872	July 9, 1896	
Hon. A.S. Hardy	July	25, 1896	Oct. 17, 1899	
Hon. George W. Ross	Oct.	21, 1899	Feb. 7, 1905	
Hon. Sir J.P. Whitney	Feb.	8, 1905	Sept. 25, 1914	
Hon. Sir Wm. Howard		•	• /	
Hearst	Oct.	2, 1914	Nov. 14, 1919	
Hon. Ernest Chas. Drury	Nov.	14, 1919	July 16, 1923	
Hon. G.H. Ferguson	July	16, 1923	Dec. 15, 1930	
Hon. G.S. Henry	Dec.	15, 1930	July 10, 1934	
Hon. Mitchell F. Hepburn	July	10, 1934	Oct. 21, 1942	
Hon. G.D. Conant	Oct.	21, 1942	May 18, 1943	
Hon. H.C. Nixon	May	18, 1943	Aug. 17, 1943	
Hon. George A. Drew	Aug.	17, 1943	Oct. 19, 1948	
Hon. Thomas L. Kennedy	Oct.	19, 1948	May 4, 1949	
Hon. Leslie M. Frost	May	4, 1949	Nov. 8, 1961	
Hon. John P. Robarts	Nov.	8, 1961		

#### COMMISSIONERS AND MINISTERS SINCE 1827

	From				To		
Hon. Peter Robinson	July	17.	1827	July	14.	1836	
Hon. R.B. Sullivan	July		1836	June			
Hon. John Davidson	July		1841	Oct.	12,		
Hon. A.N. Morin	Oct.		1842	Dec.		1843	
Hon. D.B. Papineau	Sept.		1844			1847	
		-,			,		
Sir John A. MacDonald	Dec.	8,	1847	Mar.	10,	1848	
Hon, J.H. Price	Mar.	11,	1848	Oct.	27,	1851	
Hon. John Rolph	Oct.	28,	1851	Aug.	17,	1853	
Hon. Louis V. Sicotte	Aug.	17,	1853	Aug.		1853	
Hon. A.N. Morin	Aug.		1853	Jan.		1855	
	Ü	,			,		
Hon. Jos. Cauchon	Jan.	27,	1855	April			
Sir E.P. Tache	June	16,	1857	Nov.	24,	1857	
Hon. Louis V. Sicotte	Nov.	25,	1857	Aug.	1,	1858	
Sir. A.A. Dorion	Aug.	2,	1858	Aug.	6,	1858	
Hon. P.M. Vankoughnet .	Aug.	7,	1858	Mar.			
Hon. George Sherwood	Mar.		1862	May			
Hon. Wm. McDougall	May	24,	1862	Mar.	29,	1864	
Sir Alex. Campbell	Mar.	30,	1864	June	30,	1867	
Hon. Stephen Richards	July	1,	1867	July	25,	1871	
Sir Matthew C. Cameron.	July		1871	Dec.	21,	1871	
Sir Richard W. Scott	Dec.		1871	Nov.		1873	
Hon. Timothy B. Pardee.	Dec.		1873	Jan.		1889	
Hon. Arthur S. Hardy	Jan.	19,	1889	July		1896	
Sir John M. Gibson	July	21,	1896	Oct.	21,	1899	
Hon. E.J. Davis	Oct.	21,	1899	Nov.	22,	1904	
	NT	0.0	1004	77 - 1-	0	1005	
Hon. A.G. McKay	Nov.		1904			1905	
Hon. J.J. Foy			1905	May		1905	
Hon. F. Cochrane	May		1905	Oct.		1911	
Sir William Hearst	Oct.	12,	1911	Dec.		1914	
Hon. G.H. Ferguson	Dec.	22,	1914	Nov.	13,	1919	
Hon. B. Bowman	Nov.	14.	1919	July	11.	1923	
Hon. Jas. Lyons	July		1923	Feb.		1926	
Hon. G.H. Ferguson	Feb.		1926	Oct.	18.	1926	
Hon. Wm. Finlayson	Oct.	18,	1926	July		1934	
Hon. Peter Heenan	July		1934	May		1941	
Holl. I ctel Median	0 413	,		2.223	,		
Hon. N.O. Hipel	May		1941	Aug.		1943	
Hon. W.G. Thompson	Aug.	17,	1943	Nov.	28,	1946	
Hon. H.R. Scott	Nov.	28,	1946	June	3,	1952	
Hon. W.S. Gemmell	June	3,	1952	July		1954	
Hon. C.E. Mapledoram	July		1954	July			
	3						
Hon. J.W. Spooner	July	23,	1958			1962	
Hon. A. Kelso Roberts, Q.C.	Oct.		1962	Oct.	28,	1966	
Hon. Rene Brunelle	Nov.	24,	1966				

#### DEPUTY MINISTERS SINCE CONFEDERATION

ANDREW RUSSELL	1867
THOMAS H. JOHNSON	1869
AUBREY WHITE	1887
ALBERT GRIGG	1915
WALTER CAIN	1921
FRANK A. MacDOUGALL	1941
G. H. U. BAYLY	1966

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of ploneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization until retiring in 1966.

G. H. U. BAYLY joined the Department with the Division of Reforestation in 1945. He was appointed Chief in 1955 and Assistant Deputy Minister in 1957. He flew with the RCAF from 1940 to 1945, in the United Kingdom, Africa and the Far East, retiring with the rank of Squadron Leader and the Distinguished Flying Cross won in the battle for Ceylon. He received a B. Sc. F. degree from the University of Toronto in 1939 and a M. Sc. F. in 1952.

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### **ACCOUNTS BRANCH**

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J.G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the Branch has been further modernized to provide a complete financial management service.

R.R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports. A comprehensive internal audit program is provided. In 1964, a systems improvement program was instituted.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

### ACCOUNTS BRANCH

Chief: R.R. MacBean

Assistant Chief: F. M. Baker

### INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES
Systems Improvement Program

### REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable Issue of Fish & Wildlife Licences, Park Permits, Timber Accounts, Land Sales Land Tax, Rentals

### EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable Accounting Machine Operations

### BUDGET ACCOUNTING

Budget Estimates & Forecasts, Financial Reports

### LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

### GENERAL.

Secretarial Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES\* in years ending March 31st

	8 2 6 5	3957.18	10 00 00 00 10 00 00 00	49935	22
回	\$ 3,468,357.48 3,083,791.53 234,435.09 d-2,934,604.05	3,149,885.28 4,949,208.31 10,006,812.65 6,559,176.49 6,430,466.63	2,874,285.45 5,023,761.56 3,666,297.69 d-4,189,790.28 d-4,585,644.98	d-1,620,651.24 d-6,014,690.56 d-5,940,207.05 d-8,147,927.55 d-6,187,887.03	32,422,459.75 d-6,086,104.95 42,212,898.28 d-14,795,104.07
BALANCE	883,7 834,4 34,6	49.8 06,2 8,0 1,0 1,0	74,2 23,7 66,2 89,7	20,6 14,6 40,2 47,9 87,8	86,1 95,1
BAI	40,00	6400	200 44 800 0 1 10	0,000	6,0
					ф-
	\$ 7,159,790.41 7,598,611.94 11,400,801.97 14,536,859.74	13,167,618.35 12,878,388.94 13,141,062.48 13,408,258.47 12,895,318.42	17,276,820.88 16,225,613.75 19,014,132.75 24,427,298.03 24,020,923,72	23,277,048.30 28,020,094.02 28,514,067.40 31,372,153.84 30,230,050.37	8.28
rotal	9,79	3,38	61,13	000,0000	2,45
TC	,159 ,400 ,536	167 140 140 189	222,	,27 ,02 ,51 ,51 ,23	,212
LS	\$ 7		24 29 19 24 24	3378	2.84
CASH DISBURSEMENTS Capital	.23	3,326,822.18 2,196,671.93 1,654,781.54m 800,000.00 178,810.09	.23 .36 .13 .40p	.32 .51 .69 .74	.12
URSEN	116,523.23	326,822.18 196,671.93 654,781.54 800,000.00 178,810.09	128,297.23 187,935.36 280,550.13 167,468.40 991,022.60	234,988.32 413,973.51 934,927.69 557,125.18 562,775.74	588
ISBU C	\$ 116,523.23	3,326,822.18 2,196,671.93 1,654,781.54 800,000.00 178,810.09	128,297.23 187,935.36 280,550.13 4,167,468.40p 991,022.60	234,988.32 1,413,973.51 2,934,927.69 3,557,125.18 1,562,775.74	3;893,760.12 5,905,588.27
O HS	* 4		4,		
	1.94	9,840,796.17 10,681,717.01 11,486,280.94 12,608,258.47 12,716,508.33	17, 148,523.65 16,037,678.39 18,733,582.62 20,259,829.63 23,029,901.12p	23,042,059.98 26,606,120.51 25,579,139.71 27,815,028.66 28,667,274.63	28;528,699.63 36,307,310.01
Ordinary	26. 61 80 52	77 71 78 72 50	52,000,000,000,000,000,000,000,000,000,0	05 11 13 13 27	3,69
Ord	\$ 7,043,267.18 7,598,611.94 11,400,801.97 9,913,520.62	9,840,796.17 10,681,717.01 11,486,280.94 12,608,258.47 12,716,508.33	17, 148,523.65 16,037,678.39 18,733,582.62 20,259,829.63 23,029,901.12	23,042,059.98 26,606,120.51 25,579,139.71 27,815,028.66 28,667,274.63	,528
	\$7	62122	17 16 18 20 23	2722	36
	89	63 25 13 96 05	33 31 75 75	35 35 34 34 35	21
77	147 403 237 255	503 597 875 434 785	106 375 430 507 278	397 403 860 226 163	354
Total	10,628,147.89 10,682,403.47 11,635,237.06 11,602,255.69	16,317,503.63 17,827,597.25 23,147,875.13 19,967,434.96 19,325,785.05	20, 151, 106.33 21,249,375.31 22,680,430.44 20,237,507.75 19,435,278.74	21,656,397.06 22,005,403.46 22,573,860.35 23,224,226.29 24,042,163.34	26,336,354.80 27,417,794.21
	\$10,628,147.89 10,682,403.47 11,635,237.06 11,602,255.69	16, 17, 23, 19,	20, 21, 22, 20, 19,	21, 22, 23,	26,
TS		- E	10.010.00		
EIP	\$261,865.96 215,151.77 215,884.90 677,603.32	351,437.91 222,682.07 513,325.57 810,672.96 178,810.09	328,056.86 367,501.40 490,717.96 725,375.25 807,860.60	844,686.28 644,158.52 721,351.77 640,056.82	822,938.60 129,352.10
RECI	1,86 1,50 7,60	1,43 2,68 3,32 0,67 8,81	8,05 7,50 0,71 7,86	4,68 4,15 1,35 0,05 8,85	2,93
CASH RECEIPTS Capital	\$ 26 21 21 21 67	5,351,437.91 3,222,682.07 2,513,325.57m 1,810,672.96 178,810.09	36,49	<b>2</b> 4242	822,938.60 1,129,352.10
0	2000		11 8 0 4 4 4 4	8 44 77 73	
ry	81.9 51.7 52.1	65.7 15.1 49.5 62.0	49.4 73.9 112.4 32.5	10.7 44.9 08.5 69.4	16.2
Ordinary	27.64	0,0,0,0	0,87,7	7,12,24,5	4,88
Ö	\$10,366,281.93 10,467,251.70 11,419,352.16 10,924,652.37	10,966,065.72 14,604,915.18 20,634,549.56 18,156,762.00 19,146,974.96	19,823,049.47 20,881,873.91 22,189,712.48 19,512,132.50w 18,627,418.14w	20,811,710.78 21,361,244.94 21,852,508.58v 22,584,169.47 23,273,311.03	25,513,416.20 26,288,442.11
AR	49	**	****		
YEAR	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966 1967

<sup>\*</sup>Years to 1947 include former Department of Game and Fisheries. Grants to Conservation Authorities in 1962, 1963 and 1964, where power revenue transferred Orreasury Department in 1959. d--Operating deficit. p--Parks improvements. w--Cut back in woods operation. m--Mississagi project.

TIMBER SECTION REVENUE in years ending March 31st

Total	\$6,944,104 6,855,031 7,332,290 6,789,235	6,461,103 9,500,865 15,117,701 11,396,460 11,927,678	12,706,730 13,556,568 14,431,008 12,520,000 11,565,322	13,092,417 13,406,345 12,617,400 13,339,583 13,729,713	14,893,580
Misc.	\$ 17,651 178,302 14,744 15,704	13,777 24,631 22,361 23,211 17,673	10,000 16,583 20,414 19,893 26,869	32,041 14,660 26,661 25,067 29,239	20,715
Cash Deposits and Refunds	\$164,784 130,506* 29,195	53,743 26,954 77,859 14,373* 53,919	18,024* 34,762 45,844* 51,833*	38,664* 21,102 7,969* 48,800 16,177	64,461* 38,958
Forest Protection Charges	\$ 461,164 456,444 440,011 485,313	1,007,662 1,010,554 1,175,776 1,052,635 945,953	971,517 1,091,659 1,041,837 1,085,027 1,057,804	1,035,464 1,085,269 1,096,639 989,233 1,153,344	1,083,416 1,123,840
Ground	\$ 125,061 126,875 108,934 112,139	116,642 114,197 123,366 79,832 76,019	76,234 80,786 81,098 84,468 82,255		83,865 85,950
Crown Dues	\$ 6,175,444 6,093,410 6,899,107 6,146,884	5,269,279 8,324,529 13,718,339 10,225,155 10,834,114	11,667,003 12,332,778 13,333,503 11,382,445w 10,381,470w	11,983,088 12,202,240 11,418,166w 12,1949,662 12,442,384	13,273,094
Year	1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1967

\*Refunds in excess of deposits. w- Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

Year	Deer Licences	Moose	Other Hunting Licences	Non-Res. Hunting Licences	Angling Licences	Commercial Fishing +Licences	Royalty (Game)	Misc.	Total
1947* 1948 1949 1950	\$196,549 205,827 237,707 242,208	\$ 9,316 11,878 16,787 352	\$132,907 146,601 176,301 194,228	\$361,887 453,790 468,705 264,922	\$1,000,866 1,156,904 1,350,501 1,450,180	\$109,473 110,705 116,597 115,344	\$274,139 206,514 328,171 293,426	\$155,744 128,442 119,107 113,858	\$2,240,911 2,420,661 2,813,876 2,774,518
1951 1952 1953 1954 1955	264,881 286,226 348,665 355,911 364,082	7,719 33,487 52,464 73,460	200,790 222,998 249,982 251,535 277,237	401,490 340,255 156,913 447,366 454,643	1,637,775 1,868,746 1,949,892 2,086,074 2,204,668	121,688 135,255 140,116 125,427 140,064	321,698 341,664 398,604 353,005 343,220	117,429 117,082 132,256 128,953 122,882	3,065,752 3,319,945 3,409,915 3,800,735 3,989,256
1956 1957 1958 1959 1960	405,201 400,272 415,920 459,440 468,833	90,040 134,210 173,650 214,664 245,033	295,320 292,098 317,375 346,914 352,197	513,088 545,979 563,004 588,852 698,968	2,279,336 2,294,761 2,431,977 2,337,425 2,399,612	132,944 145,447 128,634 116,861 112,260	317,052 272,952 277,800 268,276 252,001	121,733 120,108 126,171 107,392 93,303	4,154,714 4,205,827 4,434,531 4,439,824 4,622,207
1961 1962 1963 1964	493,361 420,727 478,444 457,361 493,979	280,274 358,695 363,095 393,296 366,693	357,021 344,706 353,064 381,125 388,629	797,213 936,819 1,041,490 1,125,019 1,278,264	2,435,611 2,527,212 2,608,572 2,685,219 2,695,802	110,168 111,552 114,461 115,724 122,525	279,484 244,082 255,265 327,572 287,124	94,979 110,723 110,406 112,765 96,062	4,848,111 5,054,516 5,324,797 5,598,081 5,729,078
1966	533,179 546,667	422,535	463,951 472,279	1,478,195	2,847,117 2,971,133	123,027 134,876	197,077	88,220 96,927	6,153,301 6,741,701

\*Includes Smelt Licences and Royalty (Fish). [Includes Trapper's Licences.

# PROVINCIAL PARKS REVENUE in years ending March 31st

Total	\$ 58,621 244,333 581,356 568,938	995,573 990,311 1,370,563 1,254,968 1,335,214	1,884,935
Misc.	\$13,008 17,383 27,181 25,556	25,208 45,313 34,347 17,305 21,945	
Federal Assistance	222,287	195,129	0 d 0 d 0 d 0 d 0 d
Concessions Rentals	44,775	60,868 58,831 71,646 84,125 95,487	95,082
Campsite Permits	\$ 45,613 78,462 124,137 206,148	331,481 447,535 537,997 599,440 626,034	863,704 935,513
Vehicle Permits	\$ 148,488 207,751 292,459	382,887 438,632 507,657 554,098 591,748	901,300
Year	1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

### LANDS AND SURVEYS REVENUE

in years ending March 31st

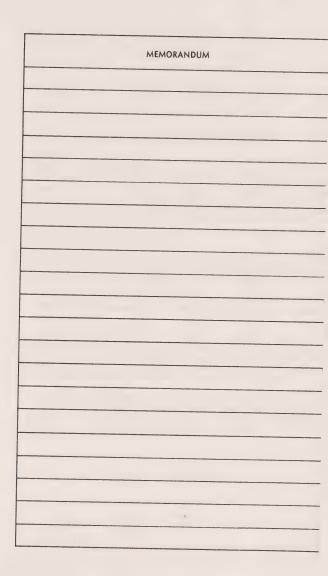
Year	Crown Land Sales	Crown Land †Rentals	Parks †Rentals	Misc.	Total
1942	\$41,961	\$76,881	\$18,656	\$41,189	\$178,687
1943	69,162	65,982	14,904	27,169	177,217
1944	118,745	107,518	19,592	41,192	287,047
1945	155,219	89,485	18,170	32,709	295,583
1946	193,061	90,989	20,240	34,427	338,717
1947	261,866	98,893	22,237	49,171	432,290
1948	215,152	108,676	52,909	17,702	394,439
1949	215,885	115,492	36,355	42,135	409,867
1950	217,642	114,021	29,745	39,349	400,757
1951	188,444	121,585	31,186	40,890	383,101
1952	186,225	120,369	32,021	48,036	386,65
1953	197,368	140,248	33,108	23,442	394,160
1954	184,428	165,643	39,460	20,768	410,299
1955	212,985	178,749	42,822	21,910	456,550
1956 1957 1958 1959	295,057 309,314 358,427	199,834 235,571 264,852	42,612 64,800 51,066	54,182 7,987 12,364	591,681 617,671 686,701
1960	551,088	280,860	62,128	15,814	909,890
	607,538	298,706	43,190	20,001	969,43.
1961	609,698	334,474	39,566	21,123	1,004,86
1962	644,159	377,988	36,449	26,416	1,085,01
1963	627,054	375,111	35,318	25,391	1,062,87
1964	577,472	466,650	34,402	16,523	1,095,04
1965	512,998	458,235	33,604	19,413	1,024,25
1966	495,852	324,548	32,041	198,039	1,050,48
1967	732,281	346,762	34,265	356,877	1,470,18

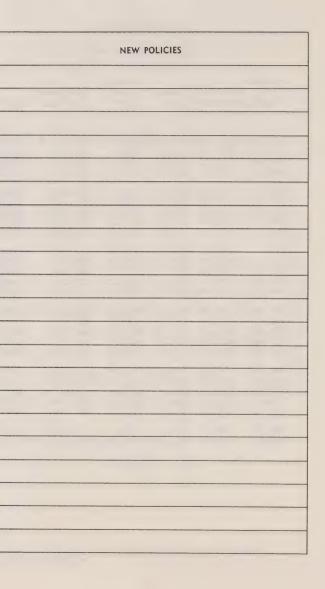
### CASH RECEIPTS

### In years ending March 31st

Year	Provincial Land Tax	Map Sales Casual Fees	Flying Fees	Fire Costs Recovered	
1942	\$ 146,802	\$ 3,462	\$10,902	\$40,183	\$ 5,834
1943	146,014	3,192	6,946	28.670	8,453
1944	158,745	2,925	19,448	22,916	26,138
1945	175,342	4,913	12,417	26,850	10,559
1946 1947 1948 1949 1950	209,459 204,475 185,470 217,521 242,292	9,048 11,071 13,825 17,225 18,778	25,284 15,258 8,376 6,373 10,734	30,943 46,402 53,230 48,331 70,707	19,386 25,373 25,562 1,685
1951 1952 1953 1954 1955	322,661 367,696 393,236 562,723 644,961	19,092 21,774 22,723 23,546 30,660	13,407 16,710 11,720 16,361 16,724	38,975 55,473 30,140 46,269 46,487	60 128,220 157,892 216,247
1956	687,296	39,579	15,267	98,385	174,279
1957	776,789	59,634	12,793	96,065	160,244
1958	810,466	62,225	13,393	76,875	146,173
1959	1,114,638	84,024	20,826	103,224	160,131
1960	1,133,879	87,941	32,236	94,637	160,362
1961	1,162,185	84,097	22,657	62,166	122,408
1962	1,172,530	109,227	21,980	53,823	111,660
1963	1,672,928	106,760	24,532	59,718	103,849
1964	1,404,036	128,948	36,402	102,406	113,627
1965	1,440,259	142,129	24,355	111,656	127,414
1966	1,528,775	121,514	26,664	72,007	143,283
1967	1,772,838	136,660	31,878	81,667	106,888

 $<sup>^{\</sup>circ}$  The Forestry Act, 1952, provided for the sale of trees to private landowners.





### FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Departmen of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 240. At peak periods, they are assisted by more than 200 other personnel and by approximately 1,100 Deputy Conservation Officers.

Dr. C.H.D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

### FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

### WILDLIFE SECTION

Supervisor: F.A. Walden

Game Management Fur Management Field Services

### FISHERIES SECTION

Supervisor: J.D. Roseborough

Game Fish and Hatcheries Fisheries Inventory Commercial Fisheries

Indian Affairs Agreement

### SPECIAL STAFF

Chief's Clerical Staff

Accounts and Staff Records Reports, Publications and Laboratory

\*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

Weasel	20,544 44,463 32,002 13,129 23,737 23,816	20,190 17,981 16,410 11,626	12,631 11,143 10,213 10,213	10,446 7,721 0.30
Squirrel	209 4,121 5,598 16,077 14,256	13,861 19,440 14,778 11,300 9,255		9,297
Skunk	169 4,538 5,747 5,749 2,506	819 1,105 2,019 572 389	216 264 112	72
Raccoon	6,667 6,667 10,905 9,874 10,669	13,135 10,551 9,596 4,200 10,580	7,433 9,543 9,189 11,025 8,280	20,389 111,797 3.27
Otter	3,276 3,488 6,137 5,259 6,410 6,203	6,401 5,727 8,519 6,698 6,040	7,422 7,456 8,326 8,890 8,457	8,171 6,928 20.60
Muskrat	172,219 146,145 408,662 567,565 671,642 607,645	400,111 443,153 446,578 337,936 320,287	304,731 377,888 345,428 366,862 251,795	390,685 359,142 0.99
Mink	19,867 30,750 31,323 27,704 28,904 30,264 29,520	27,510 36,284 49,484 44,926 47,445	61,520 47,215 43,048 44,161 32,825	25,705 23,964 8.16
Marten	120 48 1,045 1,529 2,210 2,767 3,587	2,909 4,467 6,061 4,559 6,361	9,325 10,260 7,748 ,822	19,131 26,591 7.95
** Lynx	409 389 415 251 1,216 1,464 1,547	891 564 1,103 2,242 4,038	4,502 4,578 4,743 4,913 1,690	1,503 1,167 24.83
Fox	2,822 1,741 3,480 5,069 5,838 5,289	2,782 1,313 2,159 2,160 1,273	1,753 3,090 1,647 2,625 2,343	4,088 4,581 5.85
Fisher	1,027 310 662 2,081 2,414 2,335 2,915	3,046 2,127 3,173 2,365 3,125	3,348 2,728 2,830 3,659 2,581	3,116 3,016 12.77 0,837.88
Beaver	46,208 62,717 81,790 99,391 109,260 91,484	98,084 106,738 140,371 120,566 110,615	132,375 137,609 167,408 181,778 161,229	147,627 143,776 13.40 1e: \$2,98
No. of Trappers	4,326 4,917 11,379 11,641 12,332 11,914 12,310	11,001 9,529 8,604 7,826 8,657	9,100 8,588 9,448 9,437 8,937	9,035 14 8,988 14 Price(\$)
Year	1949 1950 1951 1952 1953 1954	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966 1967 1967 1967

<sup>\*</sup>Management began in 1947. Wolf and bear returns not reported above.

		Total	\$7,229,098 6,386,885 6,834,120 6,413,530	7,684,460 6,012,145 6,040,596 4,558,280 7,227,870	7,119,077 5,554,018 6,656,546 6,414,426 7,281,744	6,910,963 8,044,560 9,616,231 10,962,002 8,776,362	12,204,640 8,027,238	
30th	PELTS	Total Ranch	\$2,262,888 2,346,039 1,647,044 2,165,233	3,101,559 2,355,226 2,171,784 1,905,518 2,942,968	4,129,555 2,978,209 3,943,119 3,969,224 4,450,571	4,441,088 5,593,485 6,176,920 7,019,973 5,898,465	8,219,084 5,430,845	
	VALUE OF PELTS	Total Wild	\$4,966,209 4,040,847 5,187,075 4,248,297	4,582,901 3,656,919 3,868,812 2,682,762 4,284,902	2,989,521 2,575,809 2,713,427 2,445,203 2,831,174	2,469,875 2,451,075 3,439,311 3,942,029 2,877,897	3,985,556	
n years ending Jur		Wild Beaver	\$1,273,947 671,407 1,592,460 1,311,274	1,938,794 1,496,631 1,612,059 1,016,734 1,995,528	1,386,700 1,254,700 1,483,262 1,249,259 1,479,426	1,408,334 1,362,577 1,959,031 2,327,258 1,659,050	2,285,942 1,603,950	
VALUE OF PELTS, Exported or Tanned in years ending June 30th	NUMBER OF PELTS	Total	977,634 1,156,717 1,211,545 1,090,802	963,787 1,111,715 1,255,189 1,149,431 1,267,295	959,593 1,036,983 1,029,095 943,102 928,358	1,029,480 1,013,245 1,078,620 1,180,366 991,097	1,207,606	
		S	Total Ranch	101,430 155,468 164,917 158,912	152,208 152,284 156,903 132,759 159,765	172,985 248,317 237,930 262,913 287,265	348,602 385,962 386,133 437,443 393,231	483,142
		Total Wild	876,204 1,001,249 1,046,628 931,890	811,579 959,431 1,098,286 1,016,672 1,107,530	786,608 788,666 791,165 680,189 641,093	680,878 627,283 692,487 742,923 597,866	724,464 611,536	
	NUM	Ranch Mink	73,770 125,829 143,358 143,513	142,570 144,436 152,760 131,192 158,662	171,723 247,998 237,172 262,788 286,845	348,193 385,650 385,982 437,303 393,231	482,932 542,647	
		Wild Beaver	45,908 20,102 74,414 65,728	82,048 105,769 122,590 105,361 135,290	113,200 113,036 141,263 120,121 111,235	131,620 137,634 166,726 183,973 159,524	149,408	
		Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966	

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

	Total	\$211,790 266,130 238,024	257,430 319,877 327,113 294,253 277,284	217,723 221,936 234,328 203,939 195,512	233,254 223,869 249,633 271,347 230,664	224,344
ALD PELTS	Wild	\$23,229 27,156 18,075	15,493 19,556 26,314 25,430 34,794	20,767 27,596 9,407 8,353 6,950	9,017 5,999 6,981 72,874 64,339	77,732
ROYALTY ON WILD PELTS	Wild Export	\$188,561 238,974 219,949	241,937 300,321 300,799 268,823 242,490	196,956 194,340 224,921 195,586 188,562	224,237 217,870 242,652 198,473	146,612
RC	Beaver	\$ 91,816 148,828 131,456	164,096 211,538 185,586 158,071 136,563	113,200 113,036 141,263 120,121 111,235	131,620 137,634 166,726 183,973 159,524	149,408
	Total	214,636 294,017 271,167 181,723	149,340 188,847 256,476 240,441 325,947	190,566 248,613 149,779 112,564 106,374	111,268 115,734 119,216 276,678 262,682	371,919
	Total Export	762,998 862,700 940,378 909,079	814,447 922,868 998,713 908,990 941,348	769,027 788,370 879,779 830,538 821,984	918,212 897,511 959,404 903,688 728,415	835,687
ELTS	Wild	208,546 286,308 262,352 173,519	146,213 185,869 249,888 236,525 319,478	182,531 229,516 134,103 93,421 82,973	71,929 58,034 69,140 212,060 191,899	293,950 247,061
NUMBER OF PELTS	Wild Export	667,657 714,941 784,276 758,371	665,366 773,562 848,398 780,147 788,052	604,077 559,150 657,062 586,768 588,120	608,949 569,249 623,347 530,863 405,967	430,514 364,475
Z	Beaver	61 19 161 128	203 266 303 290 561	1,758 1,758 333 1,478	1,453 1,685 2,433 48,182 42,623	49,689
	Beaver	45,847 20,083 74,253 65,600	81,845 105,503 122,287 105,071 134,729	111,663 111,278 140,930 119,684 109,757	130,167 135,949 164,293 135,791 116,901	99,719
	Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966 1967

### BOUNTIES PAID in years ending March 31st

	Total Amount Paid	\$59,275 54,922 57,977 56,923	46,457 41,803 46,550 41,853 38,703	37,556 38,956 37,255 41,589	48,766 44,510 44,999 59,997	59,937
	Total	2,664 2,540 2,727 2,544	2,100 1,895 2,120 1,891 1,736	1,675 1,752 1,655 1,824 1,509	2,138 1,998 2,031 2,265 2,753	2,832
WOLF BOUNTY	Pups	24 74 84 41	44 63 70 11	27 C & 4 4 8 L 4 9 2	57 68 61 63	4 4 5 2
A	Brush	1,182 961 1,062 890	651 634 739 720 620	524 574 506 528	761 794 691 862 1,052	1,195
	Timber	1,440 1,515 1,581 1,613	1,405 1,198 1,101 1,075	1,088 1,195 1,047 1,169	1,320 1,136 1,276 1,342 1,638	1,593
h.	Total Amount Paid	\$9,735 5,095 6,035 8,530	4,645 4,180 6,805 10,000 11,590	6,210 6,225 16,930 11,145 7,590	4,150 *3,405 .1y 27, 1961)	• • •
BEAR BOUNTY	Under 12 mts. \$5 each	73 17 67 122	47 29 57 145 99	50 50 300 116 139	46 *33 ended on July	• • • • • •
Д	12 mts. and over \$10 each	959 509 592 803	453 408 662 947 1,126	614 611 1,568 1,084 697	401 *328 (Payment e	• •
	Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966 1967

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Fox											
Blue	81	26	57	83	94	97	57	400	46	96	C
Cross	7;	7	:	•	:	•		-			94
rearl Flatinum.	155	119	:	•	:	•					•
Flatinum	108	105	186	232	280	367	355	270	256	241	2,0
other Fox	9	7	12	13	14	6			7		•
"Silver"	239	166	150	178	292	212	130	123	106	110	14
Wnite Marked	6	9	:	:	:	:	:	:			
Total Fox	299	. 460	405	506	089	685	543	442	415	453	489
Mink101,721	1,721	109,936	119,299	130,294	142,600	154,626	142,600 154,626 164,901	178,814	188,005	204,073 219,124	219,12
Beaver	17	12	<b>⊣</b> ∞	7.7	7 6		:-	0.4	:	:`	
Lynx		•				1	1	٢	+	4	
Narten	81	85	76	89	96	97	78		• "		• • • •
Muskrat	62	54	47					10	2 0	CT	4
Raccoon	43	43	33	24	22	20	13	07	400	: -	•
Skunk	2	S.	3	3	100	, m	4	0 64	4 ~		
NO. OF FARMS	542	514	507	495	495	508	500	505	499	494	401

GAME BIRD HUNTING PRESERVES in year ending March 31, 1967

Districts	No. of Pre- serves	No. of Hunters	Birds Purchased	Birds Released	Birds Harvested	Stock on Hand
Lake Erie Lake Huron	3333	1,855 917 850	3,744	11,340 9,396 4,249	8,763 6,815 2,373	2,961
Lindsay Tweed Kemptville	មេខ១	306 306 66	1,600 5,255 310	2,959 5,248 554	2,142 3,423 448	162 207 121
Sault Ste. Marie	1	177	1,520	1,230	626	:
Totals	34	4,799	25,326	34,976	24.590	3.749

# COMMERCIAL PHEASANT PROPAGATORS in year ending March 31, 1967

### PURCHASES

SALES

	No. of		Chicks		Dressed		Chicks	Live	Stock
Districts	Farms	Eggs	Poults	Adults	Birds	Eggs	Poults	Adults	Hand
Lake Erie	31	656	9,675	926	3,539	704	52,246	11,946	2,858
Lake Huron	35	100	14,604	353	12,745	849	1,591	3,080	1,024
Lake Simcoe	18	5,024	3,525	901	3,849	136	1,784	1,119	383
Lindsay	6	20	1,725	:	1,354	•	20	146	168
Tweed	10	:	7,222	1,414	8,313	•	100	00	314
Kemptville	10	:	290	46	218	300	499	519	239
North Bay	r	:	:	:	4,000	:	:	:	:
Sault Ste. Marie		•	1,920	:	263	•	:	1,520	45
,									
Totals	115	5.830	39.461	3.690	34.281	1.989	56.240	18.338	5.031

### HUNTING LICENCES SOLD

<sup>&</sup>quot;U. S. A. ban on importation of cloven-hoofed animals.

<sup>+</sup>Includes a few non-resident wolf licences.

### TOTAL LICENCES SOLD

	ANG	LING		HUNTING	
Year	Resident	Non-Res.	Resident	Non-Res.	Total
1944		89,291	132,376	5,168	137,544
1945		126,367	186,680	9,451	196,131
1946 1947		171,400	219,916	14,556	234,472 257,544
1948	3,730	196,785 224,898	240,667 262,760	16,877 17,800	280,560
1949	4,434	240,278	281,980	16,526	298,506
1950	5,110	237,191	297,974	19,187	317,161
1951	4,785	272,180	330,730	16,480	347,210
1952	4,695	287,997	368,854	9,330	378,184
1953	4,712	308,500	354,322	15,237	369,559
1954	6,400	366,150	384,300	17,950	402,250
1955	6,450	377,220	432,150	16,800	448,950
1956	12,624	376,000	428,298	16,883	445,181
1957	15,806	397,435	465,825	17,428	483,253
1958	18,678	380,036	509,599	18,712	528,311
1959	22,005	389,811	507,975	19,751	527,726
1960	10,516	406,239	529,553	21,330	550,883
1961	11,735	422,378	522,184	22,273	544,457
1962	11,200	433,308	544,662	23,912	568,574
1963	11,276	478,736	574,027	23,335	597,362
1964	13,263	495,135	564,305	24,407	588,712
1965	12,982	533,154	616,306	29,547	645,853
1966	13,249	571,453	621,942	37,764	659,706

### PROSECUTIONS in years ending March 31st

	Seiz-	Public	*Total	Convic-	Colle	cted
Year	ures	Sales	Sales	tions	Costs	Fines
1947	1,844	\$	\$37,202	2,040	\$1,216	\$44,267
1948		4,700		2,880		
1949	2,015	15,514	16,742	2,302	1,453	46,947
1950	2,697	7,053	17,222	2,704	1,746	45,808
1951	2,619	9,751	21,534	2,728	1,507	47,622
1952	2,763	9,422	23,847	2,862	1,476	48,335
1953	2,872		23,633	2,880	1,387	50,460
1954	2,975		25,157	3,052	1,442	47,715
1955	3,005	9,239	27,009	3,102	1,274	52,088
1956	2,929	7,414	23,213	2,895	1,281	44,444
1957	2,751	9,389	24,596	2,704	1,204	43,895
1958	2,996	9,392	24,320	2,993	1,602	47,443
1959	2,472	10,397	25,018	2,525	1,183	42,876
1960	2,290	9,236	20,612	2,228	1,186	45,136
1961	2,424	9,698	19,217	2,160	1,064	48,557
1962	2,050	7,431	15,159	2,049	927	43,720
1963	2,186	8,544	18,183	2,045	937	47,389
1964	2,508	8,929	22,975	2,276	1,284	46,439
1965	2,216	11,421	22,863	2,236	• • • • •	48,442
1966	2,581	9,604	23,392	2,347	1,042	53,127
1967	2,942	11,235	26,264	2,626		60,658

<sup>\*</sup>Includes Redemptions.

## FISH DISTRIBUTED FROM PROVINCIAL HATCHERIES IN 1966

EE- Eyed Egg. Fg - Fingerling.	F- Fry. Y- A- Adult. Y2-	Y-One-year-old.		FISH DISTRIBUTE	D FROM PROVINCE	FISH DISTRIBUTED FROM PROVINCIAL HATCHERIES IN 1966	9961 N
HATCHERY	Brook Trout	Lake Trout	Rainbow Trout	Smallmouth Bass	Maskinonge	Whitefish	TOTAL
Chatsworth	19,940Fg	5,900Y	5,030Y				261,211
Codrington	23,630Y	:	17,300Fg				44,080
Deer Lake	55,200Y 325,400Fg	134,500Y 259,980Y	7000X		1,303,112F		1,501,812 607,300
	17,385Y 385Y2						
Hill Lake	4,150A 108,750Fg 116,500Y 23,100Y2	77,581Fg 97,000Y 312A	65,480F 13,520Fg	•	•	•	503,543
	I,100A						
Little Current						19,845,000F	19,845,000
Midnurst	47,230Y	0 0 0 0 0 0	7,000Y				54,230
NOT HAIR A LE	1066,26	•	47.440V	:			1/9,/90
North Bay	112,750Y	80,000Y	*******	:			192,750
Pembroke	26,400Fg		•	•	•		267,786
Port Arthur	150,500Y	90,000Fg 49,450Y	1,000Y	36,000F 55,000F	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90,000
Totals by size	480,490Fg 1,015,372Y 23,485Y2 5,250A	11,900F 167,581Fg 626,830Y 312A	100,000EE 65,480F 30,820Fg 72,620Y	160A 36,000F 55,000Fg 160A	1,303,112F	19,845,000F	
TOTAL	1,524,597	806,623	268,920	91,160	1,303,112	19,845,000	23,839,412

SPECI ES	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
SS, Largemouth . Fry. Fingerling Yearling and Adult	360	190 129 3	46 63 1	45	231 30	. 23.	55	93	112 91	81 108	147
SS, Smallmouth. Fry. Fingerling	803 369 19	468 132 1	130 133 5	89 227	156 178 1	230 270 1	147	134 288	52 239	231	36 216
UbGILLS Fingerling Adult ARR. French Albine.	: :	0 0 0 0 0 0	: :	• • • • • •	• •		::	::	• •	::	• •
	21	• •	. 7	• •	: :	::	::	::	::	* *	::
		• •		• • •			: :	: :	: :	• •	: :
	•		:	26	:	•	:	:	:	:	:
	350	1,840	::	1,068	50	:::	::	::	::	::	1,150
	: : :	: : :	• • • •	: : :	* * *	• • •	:::	* * * * *	:::	683 1,609 288	923

1,303	0 0 0 0	10,000		• •	69	:	•
1,850	• • • •	15,600		::	171	*	*
1,530	15	14,000		• •	888	4	:
1,870		7,200 11,440 217	::	6 0 6 0 0 0	114	•	• •
2,970	r	20,500 8,994 201	::	• •	112	•	-
2,833	• • • • • • • • • • • • • • • • • • •	27,065	• •	• •	9 26	:	:-
3,390 2,833	:::	53,790	• •	::	: :: :::::::::::::::::::::::::::::::::	:	71
4,070	• • • • •	30,875	• •	::	1335	i	
2,940 18	: : : :	56,245	• •	• •	208	•	• •
2,430 39	111	90,565	::	* *	16	•	• •
3,610 2,430 74 39	0 pred 0 0 0 0 0 0 0 0	138,805	::	513	• 00 •	:	* * *
MASKINONGE Fry Fingerling Adult	Eggs Fry. Yearling	PICKEREL (Walleye) Eggs. Fry. Fry. Fingerling.	SALMON, Chum Eggs Fingerling	SALMON, Pink Eggs Fingerling	SPLAKE Fingerling Yearling	TROUT, Albino Yearling	TROUT, Aurora Fingerling

: : :	::::	12 395 1,336	100 31 126 10	480 1,599 29	19,845
• • •	: : : : :	827 927	65 269 639	674 600 1,819 69	24,030
:::		20 1	319 15	400 8 506 1,726	27,090
:::		186 950 6	 3 173 11	575 392 1,883	46,350
:::	: : : : :	240 989	60 60 291 9	494 651 1,655 75	46,575
• 10	# · · · · ·	370 715 8	102 229	30 764 2,052 73	13,875 53,685 102,623
80.7	288	389	* * * * * * * * * * * * * * * * * * * *	49 15 864 1,616	1,000 12,000 13,875 44,985 62,993 53,685 89,880 140,342 102,623
193	20 20 95 95	2740	• • • • •	580 455 1,807 84	1,000 44,985 89,880
222	26 10 15 95 32	374. 832		789 2,079 10	30,940 47,515 142,682
8 36 170	13 32 123	230	* * * * * * * * * * * * * * * * * * * *	200 91 522 2,677	13,435 67,275 180,704
29 151	10	12 10 736 320	:::::	35 1,332 2,092 19	51,178 13,435 30,940 11,130 67,275 47,515 212,410 180,704 142,682
Eggs Fingerling Yearling	Eggs	Eggs Fry Fingerling Yearling	Fry Fry Fingerling Yearling	Eggs Fry Fingerling Vearling	Eggs Fry

### COMMERCIAL FISHING EQUIPMENT

	Total Value \$000's	5,147 5,147 5,988 6,679	6,985 8,328 8,839 9,176 9,226	8,891 8,676 9,215 10,557 10,124	10,377 9,996 10,264 10,131 9,972	10,327
	Net		727 827 778 759	754 709 727 884 839	773 726 747 731 681	663
	Wharves and Piers	437 400 412 395 425	416 474 487 456 447	437 404 425 491 516	476 497 439 493 459	431
Freez-	& Ice Houses	525 486 477 456 477	476 462 493 482 442	412 412 464 558	521 525 511 549 492	465
Seine	Nets 00's yds	204 178 167 186 177	159 171 156 183 158	140 164 149 190	170 170 158 15, 157 16, 168	191
f Nets	Hoop	1,288 1,240 1,324 1,411 1,439	1,483 1,564 1,570 1,578 1,578	1,487 1,462 1,441 1,812	1,778 1,767 1,943 1,88915, 2,00216,	1,820
Number of Nets	Trap*		359 549 709 822	763 804 731 739 661	631 597 694 512 521	493
#	Pound	1,079 1,135 1,152 1,182	1,204 1,127 1,078 878 787	784 671 713 723	672 796 745 873 866	764
	Gill Nets 000's yds	9,090 8,858 8,981 9,144 9,064	8,944 9,057 9,312 9,248	8 719 8 618 8 898 9 718 9 523	9,293 9,344 9,200 9,110	9,489
Boats	Under 40 ft.	2,205 2,009 1,930 2,039 1,966	1,981 1,682 1,538 1,407	1,320	1,541 1,533 1,718 1,587	1,419
ğ	40ft. & Over	107	126 196 215 214	202 211 2112 234 238	223 224 229 229	229
	No. of Men	4,244 4,244 3,026 3,930 3,930	3,833	3,135	3,059 2,993 3,271 2,952	2,445
geo	Total	2,421	2,894 3,115 3,098	3,470 3,684 4,029 4,170	4,563 4,554 4,679 4,786	5,316
Licences	Gill	1,071	1,063 1,124 1,098 1,045	1,032	1,060 1,060 1,075 1,088	1,072
	A	1946 1947 1948 1949	1951 1952 1953 1954	1955 1956 1957 1958 1959	1961 1962 1963 1964	1966

\*Trap Nets included with Pound Nets. 1946-1951.

## YIELD OF ONTARIO FISHERIES in 000's lbs and \$000's

Value 1966	360 350 79 69	175 35 35 63	3 1,913 1,621	85 13 16 472 105	707	\$5,995
1966	1,805 1,805 348 937 273	1,265 150 1,184	343 58 21,151 3,987	1,005 59 1,058 16,056	1,306 253 174 2,812 1,754	56,344
1965	2,733 451 872 243	1,892 194 194 1,603	404 66 19,465 3,241	1,099 76 990 11,917 94	1,102 249 178 3,236 2,154	52,489
1964	206 1,836 513 938 287	2,035 250 250 28 1,993	600 70 9,635 3,678	1,134 141 831 12,887	1,450 358 224 3,229 1,086	43,510
1963	1,991 740 1,323 300	2,329 175 20 2,374	615 20 18,725 5,108	990 136 1,503 10,705	1,650 358 254 3,357 1,359	54,342
1962	137 2,491 423 1,124 314	2,825 128 34 2,630	623 31 21,659 3,708	976 131 1,117 19,314	1,540 257 208 3,640 337	63,784
1961	3,413 363 1,312 244	2,993 127 1,853	638 22 18,628 3,382	990 105 1,201 13,065	1,595 271 181 3,907 323	54,954
1960	3,305 467 1,124 321	1,865 130 33 2,227	614 63 12,774 3,702	966 85 11,539 11,666	1,616 286 286 3,845 163	47,397
1959	1,444 480 1,519 319	1,576 140 15 2,947	432 24 19,968 50 4,653	993 11,419 7,059 179	1,410 225 522 3,183	48,992
1958	81 1,850 635 1,350	1,269 133 22 1,917	484 26 16,299 7,825	1,017 174 1,817 4,967	1,509 276 622 3,278 212	47,172
1957	3,589 762 1,508	796 103 31 1,996	354 23 12,068 6,398 10,609	914 103 849 4,666	1,317 375 498 3,226 413	51,113
SPECIES	Bass, Rock; Crappies Bass, White Bullheads Carp	Caviar	Ling Menominee, Pilots Perch Pickerel, Blue Walleye (Pickerel)	Pike, Northern Saugers Sheepshead Shelt Sturgeon	Suckers Sunfish Trout, Lake Whitefish	TOTAL

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

\$'000	5,597	4,803	5,733	0,4%	10,400	7 044	7,417	7 037	7 013	783	00110	7 078	7,047	7,274	4 866	4 023	1,730	5 746	5 241	2000	0000	2,230	0,404	1	5,995	
Total	33,000	24,922	28,942	34,001	97,790	20 073	30,972	44 920	47,670	41,017	40,000	616 07	57,/1/	47 172	40 000	10,70	47,397	EA OFA	104,404	00,104	54,542	43,510	52,489		56,344	
Southern Inland	629	448	735	209	555		707	0/0	178	717	619	0	593	0 4 4	110	407	586	1	140	644	863	582	438		580	
Northern Inland	4.719	4,802	4,629	5,254	5,229		5,728	6,221	080,9	080,9	5,627		5,878	5,764	7,516	7,617	8,234		7,966	8,572	8,440	7,938	7,584		7,010	
Lake	2 580	2,830	3,371	3,188	2,655		2,851	3,127	2,771	2,890	2,540		2,145	2,797	2,871	3,850	2,828		2,353	3,146	2,973	2,682	2.270	1	1.846	
North	000	267	445	550	899		548	433	458	395	244		187	191	255	171	206		246	252	172	214	080	407	3.00	404
Georgian		1,292	013	1 563	2.794		3,720	5,359	6.876	4 292	2,298		1.113	664	407	200	218		201	348	i ii	125	100	773	t	10/
Lake		954	1,107	1,440	1,200	10064	1 474	1,736	1 306	1 463	1,262	0 0 0	1.463	988	2 023	2000	2,489	10.40	4 750	1010	0,0,0	2,948	3,018	2,286	1	1,958
Lake	ot, Clair	493	466	154	240	107	380	100	172	700	1,071	440	0000	1,029	1,115	100	845	600	100	//8	1,031	1,043	946	988		939
Lake	Erie	18,925	12,334	14,926	19,093	10,860	12 114	10,114	17,41/	23,389	28,912	207,00					31,597			35,698	44,465	35,301	25,381	35,096		41,426
Lake	Ontario	2,059	2,002	2,046	2,006	2,219	, ,	2,411	2,281	2,059	1,914	1,943		2,627	1,997	2,098	2,051	1,958		2,109	1,750	2,046	2,015	2.647	) n	1,625
	Year	1946	1947	1948	1949	1950		1951	1952	1953	1954	1955		1956	1957	1958	1959	1960		1961	1962	1963	1964	1065	7	1966

Yield of Ontario Fisheries by Species -- LAKE ONTARIO -- in 000's lbs and \$000's

Total Value	\$ 317 312 290 258	3 2 3 4 5 4 5 4 5 4 5 4 5 4 5 6 8 5 4 5 6 8 5 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	429 328 406 393 355	397 348 248 353	220
Total Catch	2,059 2,002 2,045 2,045	2,2410 2,281 1,914 1,914	2,627 1,997 2,098 2,051 1,958	2,109 1,750 2,046 2,015	1,625
Other	5114 575 678	963 597 563 467 436	498 508 438 321 454	497 483 599 975 1,616	422
Walleye	4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	90 103 75 114	121 118 166 151 126	125 106 68 66 46	44
White- fish	398 358 237 219	385 417 207 228 340	593 301 340 335 397	572 355 354 125 107	57
Smelt	::::	36225 3622 3622 3622 3622 3622 3622	269 177 295 208 188	223 202 171 128 202	141
Lake	102 424 522 522	3 4 5 6 7 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4 7 4	9	юнн · ·	:
Lake Herring	413 480 324	197 1111 73 70 29	253 44 72 72 72 73 74	23 88 87 7 1 1 3 3 8 8 8 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36
Eels	33 33 46 06 06	68 72 73 73 74 75 75 75 75 75 75 75 75 75 75 75 75 75	50 100 129 136 128	125 125 169 246 189	143
Carp	197 119 208 181	217 253 371 309 318	616 314 323 536 310	314 248 417 270 314	3 0 2
Bullhead & Catfish	288 301 4433 520	478 478 417 376 386	440 394 353 311 280	199 203 229 167 150	123
Year	1946 1947 1948 1949	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	9961

Yield of Ontario Fisheries by Species -- LAKE ERIE --in 000's lbs and \$000's

Blue	Lake	Yellow	Sheeps- head	Smelt	White Bass	White- Fish	Walleye	Other	Total	Total Value
9	200	0 1 7				1.932	739	2.402	18,925	\$3,089
7,	27046	2,110	•			2,726	793	2,433	12,334	2,676
40	7,484	70767		•	•	2,000	200	2,043		3,025
42	603	1,939				2,000	640	0000		010
84	393	2,279			• • • • •	3,620	242	20167		00000
8,611	645	2,166		•	•	1,390	1,252	2,802		3,149
	6	1				1 120	1 522	3 407	13 144	2.892
914	323	2,758				007 67	1,000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1000	0 0 0
267	329	2,204	1,073	374	1,422	1,424	2,167	1,157	17,417	2,247
223	234	3 073	772	1.030	2,161	1.641	2,288	957	23,389	3,089
222	201	7 740	773	1,266	6,153	556	2,925	1,058	28,912	3,407
037	96	4,753	786	2,040	4,505	399	4,773	968	30,285	3,842
		1		707	1	2.43	0 275	974		5,434
200	194	11,5/5	01/	0,074	2,620	1 2 2	8 204	1 088	37, 105	4.848
389	104	11,894	/8/	275	0,000	000	0,10	003		4 662
324	62	15,410	1,727	4,656	7,813	282	2,075	000		
47	39	19,606	1,328	6,843	1,406	82	1,384	/28		2,200
4	9	11,654	1,468	11,467	3,255	21	619	725		7,000
-	ĸ	17.284	1.116	12,835	3,334	6	269	847	35,698	2,507
	000	20 850	1,037	19 108	2.349	10	284	818	44,465	2,353
	4 6	17 063	1,412	10 524	1 855	11	1.875	1,659	35,301	2,530
	4 6	0 251	100	12,725	1,723	60	599	1,216	25,381	2,377
	7	TCC, 0	101	14,700	F 2 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		246	200	25 006	2 210
	:	18,603	868	11,711	2,611	0 0	340	176	22,000	0,017
		207 00	040	15 914	1,757	9	991	1,120	41,426	3,105
		060,02	240	10,747	19101	3	4			

Yield of Ontario Fisheries by Species -- LAKE HURON (PROPER) -- in 000's lbs and \$000's

Total Value	\$ 151 211 348 246 238	318 267 277 326 324	287 290 433 514 908	1,204 802 651 711 627	466
Total Catch	954 1,107 1,440 1,260	1,307 1,204 1,441 1,492	1,463 988 2,023 2,203 3,489	2,759 2,948 3,018 2,286	1,958
Other	108 80 201 228 123	164 55 52 79 89	162 120 164 225 183	97 95 154 254 304	484
Walleye	122 171 225 205 240	254 218 307 231 211	333 266 245 331 230	217 263 225 286 245	218
White- Fish	158 292 538 243 226	225 284 180 271 258	216 89 156 229 827	812 349 269 320 407	348
Suckers	0 0 0 0 0 0 0 0 0 0 0 0 0	84 50 77 111	86 61 70 75 65	193 73 77 98 62	96
Sturgeon & Caviar	<b>~</b> ∞∞∞∞	0/10/0	11 46 26 12 6	01004	ю
Yellow	336 219 147 231 359	431 362 496 329 323	155 65 719 236 859	1,072 583 539 602 167	152
Lake Trout	30 10	* * * * * * * * * * * * * * * * * * *	1 0 0 0 0 9 0 0 0 0 9 0 0 0 0 0 0 0	• • pot pod pod	•
Lake	104 217 125 135 128	116 107 71 44 54	39 20 19 13	17 25 8 9 13	4
Chub	89 1113 188 207 129	109 88 280 454 417	461 321 624 1,302	2,342 2,180 1,669 1,442 1,083	653
Year	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

Yield of Ontario Fisheries by Species -- GEORGIAN BAY -- in 000's lbs and \$000's

Total	\$ 332 181 268 465	1,450 1,737 1,450 845	366 201 98 61 61	61 95 164 190 234	171
Total	1,292 666 913 1,563 2,912	3,937 5,976 6,917 4,317 2,073	1,085 618 362 201 219	201 348 555 735 993	751
Other	188 126 72 66 56	36 36 57 60 46	110 57 32 52 52	19 41 64 249 316	235
Walleye	44 21 160 206 133	69 52 94 109 117	77 38 29 40	33 61 93 72	41
White- Fish	246 87 245 805 2,189	3,203 5,217 6,242 3,743 1,634	670 248 90 49 57	96 130 207 232 171	157
Sturgeon	- <del>-</del>	4 4 4	υφωωα	H 11 11 11 11 11 11 11 11 11 11 11 11 11	1
Northern Pike	25 7 19 22 12	8 14 20 18 19	15 7 7 7 6 6 6 4 4	6 10 112 111	7
Lake Trout	696 368 312 343 351	480 550 323 154 67	48 11 11 1	H	•
Lake	21 15 17 28 63	26 35 12 12	10 10 3 2	00	63
Chub	25 21 48 50 72	74 42 128 123 64	70 140 109 3 29	31 82 104 121 409	286
Carp	34 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	35 29 37 96 110	73 77 37	13 21 66 24 10	21
Year	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

Yield of Ontario Fisheries by Species -- LAKE SUPERIOR -- in 000's lbs and \$000's

Total Value	\$ 639 503 675 561 561	641 661 590 565 523	389 344 376 377	214 239 271 249 283	327
Total Catch	3,589 2,830 3,371 3,188 2,655	2,851 3,127 2,771 2,890 2,540	2,145 2,797 2,871 3,850 2,828	2,353 3,146 2,973 2,682 2,270	1,846
Other	117 92 176 162 128	227 78 77 67	112 52 68 91 54	48 50 57 134 88	62
Walleye	120 155 116 125 145	200 163 158 135 130	186 217 164 271 249	227 174 167 216 291	377
White- Fish	275 246 306 277 341	341 268 328 328 254	303 285 287 210 99	119 148 161 133 135	134
Sturgeon	8888	444v	3 6 6 11	∞ m ~ ⊓ ~	7
Sauger	* * * * * *	124 38 72 49	69 57 100 68 19	38 63 59 18	00
Menominee	*****	98999	27.11.12.2	7 10 11 56 18	00
Lake Trout	1,531 1,286 1,447 1,356 1,506	1,273 1,389 1,371 1,266 1,003	527 324 366 238 122	48 70 1112 106	108
Lake	1,511 1,017 1,295 1,255 505	763 993 745 920 708	821 1,696 1,744 2,833 2,117	1,777 2,570 2,319 1,935 1,553	1,135
Chub	33 33 20 20 20	45 94 88 91 312	112 148 125 117 103	81 69 81 42 63	12
Year	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

Yield of Ontario Fisheries by Species --NORTHERN INLAND -- in 000's lbs and \$000's

	Total	\$ 896 777 905 764	1,035 1,072 795 789	823 815 1,039 1,090	1,019 1,171 1,170 1,047	1,314
	Total	4,719 4,802 4,629 5,254	5,728 6,221 6,080 6,080 5,627	5,878 5,764 7,316 7,617 8,234	7,966 8,572 8,440 7,938	7,010
2000	Other	481 624 457 560 508	718 718 1,390 1,262 1,446	1,332 1,234 1,606 1,344 1,886	1,810 1,816 2,130 1,823 1,681	1,568
200	Walleye	1,621 1,688 1,636 1,706	1,801 1,847 1,606 1,568	1,593 1,572 2,048 2,323 2,258	2,262 2,539 2,315 2,047 1,954	2,048
	White- Fish	1,417 1,156 1,268 1,627 1,738	1,759 1,604 1,674 1,497	1,643 1,658 1,855 2,203 2,409	2,180 2,544 2,320 2,324 2,378	1,976
	Tullibee	162 138 139 169 170	210 241 329 243 192	274 184 411 373 430	539 494 475 430 336	315
	Sturgeon & Caviar	146 136 145 139	99 137 105 81 71	71 83 149 114 121	119 80 81 58 55	44
	Sauger	::°::	28 31 48 44	246 58 58 58 58	61 72 78 78 58	51
	Northern Pike	744 898 806 909 784	915 965 831 1,008 824	773 820 923 923 878	842 850 887 1,033 1,029	935
	Lake	148 151 144 94	110 172 133 120 110	62 153 244 282 161	129 137 140 117 74	99
	Goldeye	* * * * * * * * * * * * * * * * * * *	1114 102 34 87 6	3352214	24 34 20 19 19	7
	Year	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

NEW POLICIES

# FOREST PROTECTION BRANCH

The first forest protection legislation was placed in the Ontario Statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire". This Act led to the establishment in 1885 of Ontario's first system of fire ranging. This became the first working system of organized forest fire protection in North America.

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the "father of forest protection". His extensive report on forest fire losses on March 30th, 1885, resulted in the establishment of the forest protection system under the Woods and Forests Branch in 1885.

Under this system fire rangers were appointed and placed on licensed Crown Lands with the expenses shared by the Crown and Licensees. In the annual report for 1886, Mr. White stated: "Last year was the first year of an experiment which was found to work in a satisfactory manner to the Department as well as to the licensees.. the net expense to the province was under \$8,000. Mr. White asked for \$8,000, for his new budget.

In 1900 the Act was amended to provide for placing fire rangers on unlicensed Crown Lands at public expense. The amendment also required the appointment of fire rangers on licensed areas whether requested by the licensee or not, one half of the costs to be borne by the Department and one half by the licensee. This was a major step in that all Crown Lands became subject to forest fire regulations.

In 1910 Licensees were assessed full costs of fire ranging on limits. The Crown Timber Act of 1917 established the fire tax, an annual per-acre protection charge on Crown Lands.

Following disastrous fires in 1916, The Forest Fires Prevention Act was amended in 1917 to provide greater control over the use of fire and became the basis of present legislation.

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position filled by E.J. Zavitz. In 1924, the Provincial Air Service was established.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively.

 ${\tt T.\,E.}$  Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957.

J. M. Whalen was appointed Chief on June 14, 1963. W. T. Foster was appointed Chief on November 20, 1967.

# FOREST PROTECTION BRANCH

Chief: W.T. Foster

# FOREST PROTECTION SECTION

Fire Prevention and Control Forest Insects and Disease Plant and Equipment Communications System

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: T.C. Cooke

Aircraft Operation
Aircraft Maintenance
Selection and Development of Equipment

## FOREST PROTECTION SECTION

Beginning in 1885 there has been a long record of achievement in forest protection.

In 1917 the process of mechanizing fire control began with the acquisition of four portable fire pumps. A new era in fire detection started with the erection of a number of steel lookout towers in 1922. This same year, aircraft were also used for the first time specifically for detection of fires and transportation of fire fighters.

The first organized radio communication was established in 1927 in the Red Lake area following earlier experimental use at Sudbury in 1924. In 1935 V. H. F. radio equipment was installed in towers. In 1939 several aircraft were fitted with radio. By 1949 the province-wide network was completed with the "key" station at Maple.

The first aircraft water bombing experiments were carried out in 1944 followed by subsequent improvements in 1945, 1950, 1957 and 1966 advancing the technique to its present important application in fire control.

A helicopter was used in 1946 for the first time for forest protection purposes; by 1953 helicopters were in regular use.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

The bad fire years of 1955 and 1961 resulted in modern large scale attack on fires featuring careful co-ordination over wide areas, high mobility of resources and extensive use of aircraft.

In 1962 a comprehensive new fire control training program was established in Ontario, setting new standards in fire fighting efficiency.

Starting in 1964, special Indian Fire fighting crews were organized, trained and stationed at strategic centers.

Experiments in the use of infrared and other electronic fire detection methods were initiated in 1962. In August, 1966, the first actual forest fire was detected by an infrared aerial scanner mounted on a Turbo-Beaver aircraft.

The Forest Protection Section administers forest fire control, pest control and the Department's communications and plant and equipment programmes.

# HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

 $1901\mbox{ - } Fires$  burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over: 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645, 450 acres. Prompt action salvaged 312, 649, 422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15, 12 fires burned over 1, 125, 000 acres in areas accessible only by aircraft.

# ESTIMATED FIRE DAMAGE

DDIXATE	PROPERTY DAMAGE	\$103,682 56,389 31,349 11,365 115,650 113,751 97,036 20,757 56,442 115,638 99,165 39,932 219,792 49,457 86,888
	TOTAL	\$ 55,148 39,447 39,544 39,544 39,874 30,241 3,591,680 3,068,152 463,059 311,563 311,563 311,563 318,094 31,989 31,989 31,989 31,989 31,688 500,386 500,296 380
UCTION*	Total	\$ 19,538 93,552 97,554 157,654 1157,654 1157,951 1197,901 1197,901 1197,901 1197,901 1197,901 11,332
TO REPRODUCTION	Private	\$10,927 1,121 1,121 13,622 13,622 1,722 13,722 14,722 14,722 13,687 13,546
DAMAGE	Crown	\$ 8,611 92,431 9,169 87,169 87,181 156,361 900,331 195,491 195,491 2,579 8,357 62,187 10,740
MAGE Only)	Total	\$ 35,609 295,895 295,895 249,087 2,677,727 2,870,551 48,252 14,709 428,334 11,923,928 31,233,938 34,782 34,782
TIMBER DAMAGE (Crown Dues, Only	Private	\$19,365 1,880 15,769 16,880 5,870 2,118 21,118 21,118 49,309 11,669 1,669 1,669 1,669
TIM (Cro	Crown	\$ 16,244 294,015 14,013 29,340 2,671,857 2,667,857 2,867,857 173,377 173,877 173,877 173,882 45,860 31,908,935 48,794
AGE	Total	3,561 29,596 1,978 24,909 267,773 155,378 21,121 11,186 21,416 11,596,196 2,523 15,523 16,330 2,523 16,330 2,523 16,330 2,523 16,330 2,523 16,330 2,523 16,330 2,523 2,523 16,330 2,523 2,523 16,330 2,523 2
TIMBER DAMAGE (000's Cu. Ft.)	Private	1,937 1,688 1,688 1,688 84 587 7,465 1123 750 83 1194 1194 124 123 124 124 124 124 124 124 124 124 124 124
TIM (00)	Crown	1,624 29,401 1,401 1,401 267,934 267,935 267,925 20,107 8,721 8,721 8,731 11,293 11,293 12,440 12,947 10,052
	Year	1950 1951 1953 1954 1954 1955 1955 1968 1960 1961 1963 1963 1963 1963 1964 1965

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\*Preliminary Report to December 1, 1967.

# FOREST FIRE SUMMARY

	NUMBER O	RNED OVER	Number	Acres	
Year	Crown	Private	Total	Of Fires	Per Fire
1917			384,164	1,110	346
1918		• • • • • •	30,172	965	31
1919			922,161	1,780	518
1920	•••••	• • • • • • •	358,851	1,287	279
1921			749,534	1,269	591
1922			346,193	1,021	339
1923			2,120,148	1,343	1,579
1924			146,017	851	17 1
1925	*****	• • • • • • •	189,543	1,149	165
1926	65,888	22,486	88,374	1,110	80
1927	22,772	12,970	35,742	924	39
1928	96,436	3,947	100,383	536	187
1929	608,750	16,893	625,643	1,550	404
1930	357,531	354,278	711,809	1,402	508
1931	105,866	32,421	138,287	1,851	75
1932	626,555	52,466	679,021	2,073	328
1933	325,034	24,924	349,958	1,919	182
1934	160,348	38,285	198,633	1,568	127
1935	183,179	67,483	250,662	1,309	191
1936	1,153,876	110,557	1,264,433	2,264	558
1937	201,887	22,859	224,746	1,453	155
1938	96,168	42,077	138,245	1,292	107
1939	26,089	3,009	29,098	961	30
1940	100,990	20,624	121,614	1,014	120
1941	271,793	394,754	666,547	1,265	527
1942	77,709	36,007	113,716	1,224	93
1943	33,465	19,352	52,817	624	85
1944	73,228	95,663	168,891	1,137	149
1945	17,997	30,513	48,510	966	50
1946	44,656	32,113	76,769	1,739	44
1947	38,093	45,939	84,032	1,393	60
1948	854,778	162,611	1,017,389	2,036	500
1949	40,593	19,472	60,065	1,834	33
1950	13,203	23,577	36,780	985	37
1951	96,662	4,581	101,243	904	112
1952	7,264	5,157	12,421	1,095	11
1953	44,519	14,290	58,809	1,520	39
1954	36,115	18,578	54,693	881	62
1955	370,948	25,475	396,423	2,252	176
1956	221,822	4,390	226,212	1,017	222
1957	24,250	22,401	46,651	1,671	28
1958	25,544	11,108	36,652	1,558	24
1959	2,580	2,701	5,281	1,029	5
1960	29,190	2,196	31,386	956	33
1961	1,180,900	3,828	1,184,728	1,305	908
1962	7,583	6,221	13,804	1,521	9
1963	40,692	15,446	56,138	1,885	30
1964	22,463	5,661	28,124	1,829	15
1965	14,995	4,909	19,904	1,218	16

# FOREST FIRE SUMMARY (Continued)

Year	NUMBER O	F ACRES BUR	NED OVER	Number	Acres
	Crown	Private	Total	Of Fires	Per Fire
1966	8,453.	5,962	14,415	1,921	6
1967*	58,477	5,028	63,505	1,465	43

Honorary				
Fire	FOREST DISTRICTS	1967 SUMI	MARY®	
Wardens				
301	Chapleau	5,871	19	309.0
336	Cochrane	709	34	20.9
222	Fort Frances	500	61	8.2
366	Geraldton	13,229	22	601.3
27	Gogama	2,280	26	87.7
243	Kapuskasing	77	29	2.7
30	Kemptville	9	13	0.7
295	Kenora	1,590	192	8.3
	Lake Erie			
51	Lake Huron	4	7	0.6
46	Lake Simcoe	25	11	2.3
172	Lindsay	144	44	3.3
461	North Bay	244	81	3.0
409	Parry Sound	2 19	108	2.0
208	Pembroke	131	84	1.6
420	Port Arthur	628	126	5.0
242	Sault Ste. Marie	23,647	80	295.6
164	Sioux Lookout	11,224	137	81.9
422	Sudbury	1,499	207	7.2
336	Swastika	595	41	14.5
114	Tweed	670	112	6.0
236	White River	210	31	6.8
5,173	Totals	63,505	1,465	43.3
	MONTHS			
	April	718	140	5.1
	May	3,258	409	8.0
	June	57,708	330	174.9
	July	656	224	2.9
	August	91	137	0.7
	September	242	172	1.4
	October	832	53	15.7
	November		• •	* * *

<sup>\*</sup>Preliminary Report to December 1, 1967.

# CAUSES OF FOREST FIRES

GENERAL CAUSES	1963	1964	1965	1966	1967
Recreation	811	601	404	719	566
	313	244	204	223	202
	36	36	15	18	32
Railways Industry (Forest) Industry (Other)	93	75	118	117	177
	8	19	20	15	14
	69	56	54	73	35
Miscellaneous (Known). Unknown Lightning	216	198	191	2 05	229
	20	9	10	12	13
	319	591	202	53 9	197
TOTAL, Fires	1,885	1,829	1,218	1,921	1,465

# SOURCE OF IGNITION

CAUSE OF FOREST FIRE	1962	1963	1964	1965	1966
Smoking Material	517	636	476	329	510
Camp Fire	233	320	246	149	3 02
Matches	112	142	110	117	153
Fireworks	8 '	13	18	55	35
D. J. L.		2		2	2
Explosives	• •	. 7	8	5	
Prescribed Burning			4		6 2 2
Dump Live Ashes, Coals	• • •	• •	5		2
,,,,,,					
Burning Grass	37	71	50	45	33
Burning Brush	41	61	47	29	42
Burning Rubbish	36	57	60	52	46
Burning Garbage Dump	28	36	33	34	48
Burning Bulld'zd Pile.	6	11	4	5	4
Burning Sawdust Pile	2	**	i	2	4
Burning Ties	8	3	3	2 2	6
Burning Right of Way	22	22	17	9	11
Locomotive, Diesel	17	11	14	29	14
Locomotive, Steam	0	1	* *	40	**
Brake Shoe	8 1	22	8 1	40	56
Hot Box	1	U	1	• •	• •
Power Saw	7	3	2	3	4
Mechanical Equipment	17	6	13	14	16
Power Line (Short)	22	16	29	21	10
				_	
Sparks from Chimney	5	11	9	7	2
Sparks from Burner	6 16	9 24	26	18	29
Structural Fire	10	24	40	10	27
Miscellaneous (Known).	19	23		8	15
Unknown	58	59	51	34	28
Lightning	295	3 19	591	2 02	539
TOTAL Di-	1 521	1 005	1 920	1,218	1,921
TOTAL, Fires	1,521	1,885	1,829	1,210	1,721

# CAUSES OF FOREST FIRES

RESPONSIBLE GROUPS	1962	1963	1964	1965	1966
RECREATION					
Fisherman	227 22 8 57 46 132	255 181 13 58 29 100	221 81 16 58 20 50	164 10 6 27 21 40	256 40 4 77 21 107
TRAVELLER					
Car Passenger Hiker Train Passenger Guided Party	86  7 2	123 16 5	92 53 26 4	75 32 2	125 52 23
RESIDENT Farmer Rural Resident Urban Resident Private Cottager Resort Owner Indian (on Reserve).	38 61 11 73 6 2	71 110 17 68 7 23	45 97 12 63 11	22 99 24 34 2 9	29 71 17 47 9
VOCATION					
Trapper Prospector Timber Cruiser Land Survey Party Military	11 2	9 4 2	1 1 1 2	1 5  2	1  2 1
EMPLOYEE OF:-					
Woods Industry Mining Pipeline Hydro Telephone	22 6  27 2	11 5 1 28 2	19 1 1 37 1	18 7  17 3	14 8 1 21
Highway or Road R.R. Section Crew R.R. Train Crew R.R. Work Crew Other Industry	10 17 39 8 17	8 25 55 3 12	6 21 31 5	7 12 80 12 6	3 11 62 10 12
Lands and Forests Other Prov. Govt Federal Government Municipality			1 1 1 14	1 1 ·· 7	3  2 11
MISCELLANEOUS					
ChildrenYouth Groups Miscellaneous (Known) Unknown	139 7 138	190 18 6 106	121 15  85	198 8 11 53	212 2 24 95
TOTAL, Man-Caused Fires Percentage of All Fires	1,226	1,566	1,238 68	1,016	1,382

# DETECTION OF FOREST FIRES

MEANS OF DETECTION	1963	1964	1965	1966	1967
Lands & Forests Towers	620	611	417	560	354
Lands & Forests Aircraft	206	178	66	189	164
Commercial Aircraft	97	55	46	123	64
Private Aircraft	19	34	3	13	18
Lands & Forests Personnel	92	116	67	96	92
Other Prov. Govt. Employee		41	35	68	47
Public	824	794	584	872	726
TOTAL, Fires	1,885	1,829	1,218	1,921	1,465

# SIZES OF FOREST FIRES

AREA BURNED OVER	1963	1964	1965	1966	1967
Up to 1/4Acres	693	845	572	998	630
Over 1/4 to 10Acres	955	829	560	834	712
Over 10 to 100Acres	198	122	79	70	99
Over 100 to 500Acres	30	22	13	14	16
0ver 500Acres	9	11	3	5	8
TOTAL, Fires	1,885	1,829	1,218	1,921	1,465

PROSECUTIONS	1963	1964	1965	1966	1967
Prosecutions	71	22	37	28	31
	65	22	34	26	27

# FOREST PROTECTION PERMITS

	Fine	WORK I	PERMITS	TRAVEL	PERMITS
Year	Fire Permits	Permits	Men	Permits	Persons
1926	13,466				
1927	13,593			6,548	15,669
1928	13,611			15,406	42,566
1929	14,038			20,738	51,443
1930	15,094			36,799	91,457
1931	27,031	3,642	27,078	48,593	135,975
1932	23,187	3,626	23,186	46,753	132,783
1933	26,922	5,464	33,474	14,161	35,921
1934	20,962	6,029	56,405	12,178	30,162
1935	18,988			9,774	28,606
1936	18,964			8,447	26,564
1937	15,400	4,434	57,978	8,947	28,946
1938	15,035	4,106	44,882	12,216	38,952
1939	15,565	3,686	48,208	12,707	40,446
1940	14,522	2,684	46,727	10,162	33,350
1941	7,833	2,251	46,079	11,353	36,315
1942	8,542	1,826	40,194	8,358	24,725
1943	5,242	2,272	34,440	11,004	28,567
1944	5,106	2,173	34,927	13,510	41,569
1945	5,764	2,799	47,280	20,393	70,085
1946	8,940	3,496	67,346	35,794	112,191
1947	7,925	3,491	61,140	51,187	146,185
1948	9,237	3,030	51,736	61,384	194,617
1949	11,546	3,168	47,465	90,206	256,320
1950	9,357	3,753	57,581	86,975	323,870
1951	9,647	4,130	65,762	114,998	422,938
1952	11,764	3,971	55,882	124,193	455,979
1953	14,189	3,585	49,387	146,481	506,703
1954	12,315	3,496	67,346	113,971	408,018
1955	14,803	3,668	76,703	211,724	717,542
1956	14,142	3,930	62,469	181,396	608,138
1957	12,778	3,095	55,227	118,690	427,834
1958	15,842	2,922	44,362	121,373	412,468
1959	17,889	3,705	44,942	112,916	390,510
1960	18,616	4,024	45,837	94,634	332,47
1961	20,956	4,631	47,916	108,108	393,510
1962	22,298	4,590	42,375	108,771	366,98
1963	23,523	4,358	40,028	111,960	271,799
1964	23,210	4,193	39,136	86,567	300,35
1965	22,560	4,528	41,848	77,442	256, 15
1966	25,021	4,103	38,241	86,525	316,479

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REPORT

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Railway Mtr. Cars	· L · 44	× · · · · ·	* * * t/) * * *	:":::	:::	:::
Trac- tors	υ ∕ 4 ∕ ∞	6 10 14 11 30	18 5 6 10 12	4 10 V 10 4	:::	640
Trail- ers	12 14 10 8	117 120 13 26 20 20	33 9 116 116 25	20 20 11	• FFI • • • • • • • • • • • • • • • • •	15
Motor Vehi-	33 33 24 27	36 30 47 47 73 73	50 52 53 53 73	23 34 28 28 28 28	. a =	(4 4 4
Out- board Motors	28 37 44 25	21 21 21 33 33	4 7 7 7 4 8 0 8 7 8 4 8	72 26 26 29	: ":	63 7 2
Boats of In- tr. bd.	*4 W UH	· HOOH •	::":"	H9:HH	:::	:::
Bo Not Mtr.	30 27 14 17 17 17	11 27 24 18 29	45 51 51 19	34 28 28 16	: :	30
Canoes	38 36 37 37	444000	55 53 59 59 59 59	28,022	****	22 21
Bin- ocu- lars	32 32 32 31	30 22 23 84 88 88 88	31 35 37 37 37 37	26 26 14 16 16	* * *	33.
Sleep- ing Bags	52 101 99 83 41	38278	98 94 113 131 147	80 91 125 44 36	17	112
Tents	117 142 101 174 81	124 130 	41 112 69 112 171 183	246 121 89 54 96	92	149
Blank- ets	2,638 2,356 1,364 2,413 1,370	1,482 37 1,651 47 74 273	1,999 801 1,806 2,485 3,034	2,544 2,192 1,672 1,727	1,087 1,952 33	98
Fire Hose 00's	1,466 1,377 1,110 2,031 1,299	1,276 1,623 242 307 682	1,255 1,984 1,035 2,356 2,759	2,332 3,089 1,263 1,442	1,348	• M
ortable Pumps er Hand	225 375 213 544 178	403 139 312 117 216 369	318 290 231 320 497 692	473 323 252 282 200	327	. 33 .
Portable Pumps Power Ha	40 50 36 52 35	41 61 10 14 27	57 444 40 74 64	70 60 45 37 41	53	13
LOCATIONS	Chapleau	Kapuskasing Kemptville Kenora Lake Erie Lake Huron	Lindsay North Bay Parry Sound Pembroke Port Arthur Sault. Ste. Marie	Sioux Lookout Sudbury Swastika Tweed	North-Western	MAIR Service
	. Japanas Id		54	3.	December	Jadia 1

210 27

1,070 376

TUTALS...... 1,080 7,560 33,889 36,978 2,552 1,811 779 897 671 32 983 \*S- Snow Vehicles; V- Velocipedes; B- Barges. \*\*Ontario Forest Technical School. \*\*\*Includes Research Branch.

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# MAJOR EQUIPMENT As of March 31st

	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967
Portable Power Pumps Portable Hand Pumps. Hose (000's Feet)	1,218 7,907 3,319	1,215 7,899 3,312	1,255 8,712 3,890	1,396 8,336 3,551	1,271 8,344 3,712	1,225 8,237 3,664	1,201	1,145 8,159 3,230	1,117 7,873 3,424	1,053 7,865 3,212	1,115 7,568 3,517	1,080 7,560 3,389
Tents	2,376 1,506 31,582	2,469 1,538 29,288	2,438 1,597 29,505	2,483 1,671 29,024	2,391 1,739 30,540	2,433 1,750 31,946	2,618 1,780 33,756	2,542 1,828 36,075		2,502 1,876 38,071	3	3
Binoculars	642	609	615	647	629	661	899	691	929	718	813	779
Canoes	1,087 434 771 64	1,073 459 771 60	1,052 493 800 59	1,005 519 785 48	954 534 809 44	930 538 807 42	922 568 834 31	868 570 837 40	859 584 841 38	816 652 884 33	878 584 910 38	897 671 983 32
Barges and Scows	:	4	9	7	9	0	9	ιΩ	ro	9	33	n
Trucks and Autos Trailers	786 141 121	751 166 134	861 205 312	918 249 186	905 263 184	945 277 194	949 282 198	967 302 214	988 305 211	979 325 216	1,006 346 181	1,070
Railway Motor Cars	47	46 24	24	22	20	41	16	38	36	35	31	27
Snowmobiles	00	10	14	10	13	14	16	22	29	40	43	79
Radio Sets, Stations	825	899	1,047	1,140	1,294	1,564	1,846	1,885	2,134	2,247	2,400	2,605
Steel Towers	288	292	302	308	315	318	323	323	323	323	323	323

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# DEPARTMENT RADIO STATIONS

				PERATING
		CALL	H.F.	V.H.F.
DISTRICT	STATION	SIGN	Kc/s	Mc/s
FORT	Fort Frances	XLN21	4460	46.62
FRANCES	Lac La Croix	XLN22	19	п
11/11/02/0	Atikokan	XLQ71		×
	Rainy River	XLR59	N	n
	French Lake	XMN23		*
	Nym Lake	XLN234	N	
	Cache Bay	XLN233	W.	m m
	Prairie Portage	XLN232	H	н
	Cabin 16	XLN29	N	n
	Beaverhouse Lake			
	Cabin	XLN275	*	п
TERRIAD I	**	V 2 3 2 3 4	4460	47.70
KENORA	Kenora	XLN34	4460	46.78
	Minaki	XLN32		
	Sioux Narrows	XLR42	*	
	Dryden	XLN35	п	
	Nestor Falls	XLN24		
	Vermillion Bay	XLS87		79
	Cedar Lake	XLQ75	H	**
SIOUX	Sioux Lookout	XLN37	4460	46.86
LOOKOUT	Red Lake	XLN43	#	1000
LOOKOUI	Pickle Lake	XLN38	н	
	Ear Falls	XMN50	W.	19
	Big Trout Lake	XLR62	n	
	Ignace	XLN23		*
nonm	D t. t t	37 37 4 5	4500	44 770
PORT	Port Arthur	XLN45	4580	46.70
ARTHUR	Shebandowan	XLN47	,,	21
	Black Sturgeon Lake	XLN48	,,	
	Upsala	XLN217	19	
	Saganaga Lake	XLN218	"	
	Dorion	XMN78	11	"
	Armstrong	XLN40	"	
	Sibley Park	XLN285		
	Nipigon	XLN293		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Marks Lake	XLN294		,
	Madelaine Lake	XLN295		n
GERALDTON	Geraldton	XLQ35	4580	46.78
	Pays Plat	XLN56	#	H
	Marathon	XLN54	n	
	Killala Lake	XLN55	17	
	Hillsport	XLQ46	19	89
	Nakina	XLS53		16
	Longlac	XLS52	и	19
	Macdiarmid	XLN49	н	н
WHITE	White Discour	W1.000	4000	1/ /2
WHITE	White River	XLQ78 XLN62	4880	46,62
RIVER	Franz Wawa	XLN63	H	19
	Mobert	XLN61		N
	Manitouwadge Lake	XMN25	*	19
	Cupa (Copper) Lake	XL083		H

SAULT   Sault Ste. Marie   XLN58   4880   46.78   Ranger Lake   XLN261   Ranger Lake   XLN264   Ranger Lake   XLN29   Ranger Lake   XLN29   Ranger Lake   XLN29   Ranger Lake   XLN64   Ranger Lake   XLN64   Ranger Lake   XLN64   Ranger Lake   XLN24   Ranger Lake   XLN79   Ranger Lake   XLN79   Ranger Lake   XLN283   Ranger Lake   XLN205   Ranger Lake   XLN207   Ranger Lake   XLN208   Ranger Township   XLR71   Ranger Lake   XLN208   Ranger Township   Ranger Lake   XLN208   Ranger Town					
Ranger Lake					
Peshu Lake					10
Pancake Bay			XLN264		
Rirkwood   XLP44		Peshu Lake	XLQ41		Ħ
Mount Lake   XLR69   "   "   Redrock   XLN64   "   "   "			X LR39	tr.	
Redrock   XLN04					
Agewa Bay   X L043   "   "   "					
GOGAMA  Gogama Elsas Foleyet Opishing Lake XLN79 Ronda Marne Lake  CHAPLEAU  Chapleau Missanable Sultan Biscotasing Unegam Lake Wrong Lake XLN205 Racine Lake XLN77 Racine Lake XLN80 Respanola Jamot XLR30 Respanola XLR30 Re					
GOGAMA		Agawa Bay		n	
Elsas		Mijin Lake	X L024		n
Foleyet	G OGAMA	Gogama	XLN78		46.82
CHAPLEAU   Chapleau   XLN82   4880   46.70		Elsas	XLN79		
Chapleau		Foleyet	XLN84	h	
CHAPLEAU Chapleau XLN82 4880 46.70  Missanable XLR52 " " " " " " " " " " " " " " " " " " "		Opishing Lake	XLN42		
CHAPLEAU Chapleau XLN82 4880 46.70  Missanable XLR52 " " " " " " " " " " " " " " " " " " "			XLP69		10
Missanable		Marne Lake	XLN283		
Missanable					
Missanable	CHAPLEAU	Chapleau	XLN82	4880	46.70
Biscotasing			XLR52		
SUDBURY   Sudbury   Substitute   Sudbury   Substitute		Sultan	XL073		
SUDBURY   Sudbury   XLN77   4880   46.86		Biscotasing	XLN80		11
SUDBURY   Sudbury   XLN77		Unegam Lake	XLN205	n	
SUDBURY   Sudbury   XLN77		Racine Lake	XMN77		
Skead		Wrong Lake	XLP46	19	19
Skead					
Espanola	SUDBURY				
Land					
Massey   XLR29					
Massey   Mindy   Lake   XLR67					
Southaymouth		Massey			
Sandfield   XLR68		Windy Lake			
Sandrie   Cochrane					
Fairbank Lake					
COCHRANE   Cochrane   Timmins   XLN70   XLN71   XLN7					
KAPUS-					
RAPUS-   Kapuskasing   XLP78   4535   46.86   KASING   Hearst   XLN69		George Lake			
KAPUS- Kapuskasing XLP78 4535 46.86 KASING Hearst XLN69 " " " Hornepayne XLN73 " " " Nagogamisis Lake XLN237 Remi Lake Park XLN238 Rogers Township XLR71 " "  COCHRANE Cochrane XLN70 " " " Timmins XLN70 " " " " Eades XLN71 " " " " " Wade Lake XLQ45 " " " " " " " " " " " " " " " " " " "					11
KASING   Hearst   XLN69			***********		
KASING   Hearst   XLN69	KAPHS.	Kanuskasing	XI.P78	4535	46.86
Hornepayne					
Oba	MASTING.			19	11
Nagogamisis Lake				11	
Remi Lake Park   XLN288   "					n
Rogers Township   XLR71					19
Timmins XLN70 " " Eades XLN71 " " Wade Lake XLQ45 " " Moosonee XNN43 " " Smooth Rock Falls XLQ76 " " Nellie Lake XLN208 " " Kettle Lakes Park XLN209 " "					rf
Timmins XLN70 " " Eades XLN71 " " Wade Lake XLQ45 " " Moosonee XNN43 " " Smooth Rock Falls XLQ76 " " Nellie Lake XLN208 " " Kettle Lakes Park XLN209 " "	and and the		***		
Eades XLN71 " " " " " " " " " " " " " " " " " " "	COCHRANE				46.78
Wade Lake XLQ45 " " Moosonee XMN43 " " Smooth Rock Falls XLQ76 " Nellie Lake XLN208 " Kettle Lakes Park XLN209 "					
Moosonee XNN43 " " Smooth Rock Falls XLQ76 " Nellie Lake Kettle Lakes Park XLN209 "					
Smooth Rock Falls XLQ76 " Nellie Lake XLN208 " Kettle Lakes Park XLN209 "					
Nellie Lake XLN208 " Kettle Lakes Park XLN209 "					
Kettle Lakes Park XLN209 "					
57		Kettle Lake Dark			
		57	ALMAUY		

SWASTIKA	Swastika	XLN68	4535	46.62
	Elk Lake	XLN72	4000	40.02
	Matheson	XLS54		
	Larder Lake	XLN95		
	Matachewan			
		XLN60		
	Gowganda	XL090		
	Hills Lake	XL089		*
	Englehart	XLR64		W
	Burt Twp. Nursery	XLN2 12		*
NORTH	North Bay	XLN83	н	W
BAY	Temagami	XLN81		
	Lady Evelyn Lake	XLN42		M
	McConnell Lake	XLN246		n
	Bear Island	XLN251		
	Haddo	XLP45		
	Devils Lake	XLN253		10
	Samuel de Champlain Marten River	XLN270		
	marten kiver	XLN274		•
PEMBROKE	Pembroke	XLN92	4775	46.82
	Smoke Lake	XLN90	н	
	Brent	XLN91	19	
	Stonecliffe	XLN94	10	19
	Whitney	XL043		
	Achray	XLQ47		
	Round Lake	XLR40	10	
	Kiosk	XLN50	18	
	Sasajewun Lake	XLN51		
	Swan Lake			
	Swall Lake	XLN59		
PARRY	Parry Sound	XLN89	4520	46.62
SOUND	Loring	XLN93	1020	40.07
	Powassan	XMN35		
	Byng Inlet	XLS24		
	Ardbeg	XMN33		
	Dorset			ii ii
		XMN34		- :
	Bracebridge	XMN75		
TWEED	Tweed	XLQ69	4775	46.70
	Bancroft	XLQ50		
	Palmer Rapids	XLR41		9
	Dacre	XLS23		
	Plevna	XLN53		
	White Lake	XLP75		n
	Napanee	XLQ31		
	Green Lake	XLR61		
	Bon Echo Park			
	Outlet Park	XLN286		
		XL098		-
	Kingston	XLP33		•
LINDSAY	Lindsay	XLR57	4775	46.78
	Minden	XLQ70	W	n
	Gooderham	XMN27		н
	0rono	XMN29		н
	Haliburton	XLR43		
	Presqu'ile Park	XLN46		18
		ALATTO .		

LINDSAY (Continued)	Apsley Ranger School Darlington Park Balsam Lake Park	XMN44 XLN25 XLN280 XLN289	4775	46.78
KEMPTVILLE	Kemptville La Rose Westport Fitzroy Park Lanark Alexandria	XMN4 1 XMN5 1 XLQ54 XLN272 XL087 XLQ28	4775	46.62 n n n
LAKE ERIE	Aylmer Holiday Beach Park Wheatley St. Williams Rondeau Park Pinery Park	XL052 XLN267 XLN268 XMN28 XLR60 XLP90	4520 m	46.62 n
LAKE SIMCOE	Coldwater Severn Falls Honey Harbour Six Mile Lake Angus Sibbald Point Park Bass Lake Park	XMN36 XMN37 XMN39 XLR85 XLN269 XLN284 XLN287		46.82 n n n
LAKE HURON	Hespeler Miller Lake Owen Sound Inverhuron Park	XLN271 XLN276 XLN41 XLN61		46.70
HEAD OFFICE Toronto	Island Airport Maple Laboratory Maple	XL053 XLN20 XLP22	4775 3376 4520 4535 4775 4880 5170 5499 9172	46.82 46.62 46.70 46.74 46.78 46.82 46.86

Maple frequently uses 5170 and 9172 Kc/s to reach District Offices. Maple answers aircraft on their own frequency.

# PROVINCE-WIDE FIRE FREQUENCIES

H.F.-- 3376 Kc/s. V.H.F.--46.74 Mc/s.

## DEPARTMENT OF TRANSPORT AIRCRAFT FREQUENCIES

90 channels between 118 and 126.9 Mc/s, inclusive, in increments of 0.1 Mc/s.

NEW POLICIES	

# AIR SERVICE SECTION

In 1924 the Air Service was formed with the purchase of twenty HS2L flying boats. W. Roy Maxwell was appointed first director. Bases and fuel caches were established at strategic points. A total of 2500 hours were flown the first year.

The more important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. The success of these aircraft in Ontario has led to their world-wide acceptance.

In spite of difficult flying conditions, only 26 aircraft have been written off. The last flying fatality occurred in May, 1952. There have been a total of 24 fatalities involving Air Service operations.

In recent years aircraft have been lost in service at Geraldton in 1950; Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; Ear Falls in 1959 and Kenora in 1961.

Development of aerial water bombing equipment has been carried out since 1944. The latest system is contained within the aircraft floats and incorporates a variable load feature and provision for mixing gelgard, a chemical water thickener. This system has been installed on ten Otters, 23 Turbo Beavers and one Twin Otter in 1967.

In 1965 an aircraft modernization programme was initiated with the purchase of six new Turbo-Beavers. A total of twenty-three have been acquired, replacing standard Beavers which have been sold. Two Twin Otters have been acquired.

The Section currently operates and maintains a fleet of 42 aircraft to meet flying requirements of the Department and special needs of other Government Departments.

HOURS F	
Summary	
Service	
H	

31st
March
ending
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																			1
TOTAL	174,378:35	13,530:45	12,800:20	11,888:50	12,564:10	12,388:30	17,785:10	11,692:20	506	277:	984	12,568:30	14,485:45	12,541:45	14,801:00	13,247:15	12,750:00	14,752:40	411,000:40
Miscel- laneous	75,674	3,968	3,171	2,959	2,609	2,497	2,077	2,053	2,086	2,376	2,169	1,967	1,830	2,297	2,389	2,702	3,603	3,857	123,281
Mercy Flights	361		168	56	53	34	55	34	44	39	42	72	33	20	24	25	22	25	1,171
Photo	1,415	• •	273	280	186	244	130	148	24		•	•	•	0 0	0 0	•	•	:	2,700
Inter- Dept.	•	278	188	150	574	398	458	384	327	421	475	470	370	454	560	350	396	292	7,047
*Research	1,030	303	360	266	386	284	192	199	2 12	189	228	200	170	201	205	239	255	364	5,283
Parks	:	• •		:	:	•	:	:	310	272	345	255	266	386	476	347	282	298	3,237
Lands Parks	•	110					181								301 476		418 282		4,494 3,237
		110	153	149		246		180	190	200	209	267		230	301			470	
Lands	:	110	153	97 149	124 376	181 246	181	72 186	23 190	15 200	11 209	267	260	230	8 301	271	418	470	4,494
Surveys Lands	•	110	2,086 153	1,980 97 149	1,972 124 376	2,362 181 246	128 181	2,289 72 186	2,837 23 190	3,615 15 200	3,569 11 209	3,455 4 267	3,628 260	3,862 230	3,876 8 301	271	418	3,762 470	663 4,494
Fish and Wildlife Surveys Lands	2,985	1,645 110	903 2,086 153	674 1,980 97 149	982 1,972 124 376	1,048 2,362 181 246	2,333 128 181	986 2,289 72 180	801 2,837 23 190	876 3,615 L5 200	883 3,569 11 209	3,455 4 267	799 3,628 260	923 3,862 230	1,125 3,876 8 301	1,267 3,579 271	3,443 418	1,267 3,762 470	55,307 663 4,494

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\*Research includes Entomology.

# Hours Flown by HELICOPTERS (Leased and Contract) in years ending March 31st.

YEAR	Fire Ranging	Timber	Fish and Wildlife	Miscel- laneous	TOTAL
1962	2,125	109	94	239	2,566:45
1963	1,307	194	180	369	2,050:25
1964	1,604	187	77	23.2	2,099:35
1965	1,423	32	30	424	1,098:50
1966	937	142	136	193	1,408:50
1967	1,643	102	154	295	2,193:40

# Hours Flown by COMMERCIAL AIRCRAFT (Leased) in years ending March 31st.

1967	1,565	22	200	127	1,913.40

# AIR SERVICE SUMMARY

in years ending March 31st

		m. j 041 5 011	and may on olde	-	
	Mercy	Passengers	Personnel	Effect	
YEAR	Flights	Carried	Carried	Loads C	
	* 1161105	Carried	Carried	Tons	Pounds
1924-					
1949		165,583	89,206	27,233	1,067
1950		30,687	5,918	2 002	
1951	••	27,140	5,140	3,982	76
1952	•••	30,439	5,410	3,366	1,111
1953	•••	25,900		3,663	1,616
1954		31,109	5,346	3,078	1,262
1955		29,256	7,245	3,918	605
1/00	••	27,230	5,465	3,428	1,641
1956	17	46,478	6,723	6,091	893
1957	22	28,789	5,099	3,481	708
1958	28	28,636	5,349	3,497	914
1959	22	27,506	5,197	4.871	211
1960	20	27,600	4,926	4,198	227
1961	21	29,069	4,833	4 (20	0.75
1962	21	32,749	5,221	4,638	975 84
1963	16	27,750	4,819	8,121	
1964	13	33,742		5,657	230
1965	17	30,235	5,545	7,512	132
-, 00		00,200	4,842	5,434	394
1966	15	28,409	4,983	4,998	507
1967	17	31,013	5,689	6,600	64
Total:	• •	712,090	186,956	113,772	717

# AIRCRAFT SERVICE RECORD, March 31, 1967

50	Year	Effective Loads	FLY	ING HOURS
AIRCRAFT	Purchased	Carried (Tons) 1966-67	1966-67	1924-67
24 BEAVER				
CF-0BS	1948	62	365:55	6,848:05
CF-OCA	1948	• •	130	4,978:45
CF-0CB	1948	102	380:35	6,492:55
CF-OCD	1949	112	340:25	5,241:05
CF-0CE	1949	169	385:25	6,277:20
CF-0CG	1949	186	323:35	4,769:30
CF-0CH	1949	102	388:40	5,521:25
CF-OCK	1949	55	137:10	5,330:25
CF-OCL	1949	64	285:45	4,853:50
CF-OCN	1949	9	309:10	5,900.35
CF-0CP	1949	85	328.10	6,635:10
CF OCT	1949	81	327:10	6,127:25
CF-OCV	1950	100	352:50	5,202:45
CF-0CX	1950	56	221:45	
CF-0CZ	1950	77	267:05	5,055:00 4,015:00
CF-ODA	1951	2	17:45	4,368:40
CF-ODB	1951	98	353:20	5,537:55
CF-ODC	1951	125	476:15	6,435:00
CF-ODD	1951	77	232:30	2,621:25
CF-ODE	1951		334:50	4,405:15
	1952	88 135		
CF-ODF			266:10	4,439:10
CF-ODG	1952	62	300:25	5,618:55
CF-0D0	1955	58	227:05	1,367:05
CF-0DS	1956	119	472:10	1,655:05
10 OTTER				
CF-ODJ	1953	199	489:10	4,525:25
CF-ODK	1953	496	363:20	3,595:50
CF-ODL	1953	126	325:10	4,131:05
CF-ODP	1956	266	244:25	2,973:35
CF-ODO	1956	166	342:35	3,475:30
CF-ODU	1960	701	265:20	2,128:40
CF-ODV	1961	297	336:30	2.918:05
CF-ODW	1961	336	403:00	2,103:25
CF-ODX	1962	359	351:30	1,524:05
CF-0DY	1962	719	283:05	1,177:15
WIDGEON				•
CF-ODR	1956	20	241:40	2,382:35
		20	412110	2,002100
14 TURBO-BEA				
CF-0EA	1965	110	426:25	877:55
CF-0EB	1965	66	355:40	595:35
CF-0EC	1966	91	365:35	627:15
CF-0ED	1966	70	321:00	740:40
CF-0EE	1966	169	457:15	807:30
CF-0EF	1966	92	406:50	655:10
CF-0EH	1966	57	291:15	291:15
CF-0EI	1966	33	258:55	258:55
CF-0EJ	1966	6	11:45	11:45
CF-OEK	1966	69	261:35	261:35
CF-0EL	1966	34	175:50	175:50
CF-0EM	1966	22	175:35	175:35
CF-0EN	1966	22 05	110:30	110:30
CF-0E0	1967	15	116:20	116:20
TWIN OTTER				
CF-0EG	1966	38	277:45	277:45
Other Aircra	ft			254,353:50
TOTAL		6,600	14,752:40	
IUIAL	• • • • • • •	0,000	17,752140	410,970:40

65

PILOTS	1924-66	1966-67	TOTAL
Allen, D.S.	4,640:10	362:20	5,002:30
Ayers, N.	-	173:00	173:00
Ballantyne, G.E.	3,338.35	345:45	3,684.20
Beaushene, G.D.	5,333:10	471:00	5,804:10
Bieck, A.H.	3,136:45	439:15	3,576:00
	·		
Burtt, A.E.	9,711:35	337:05	10,048:40
Calver, D.R.	4,727:00	334:50	5,061:50
Campbell, G.E.	6,974:50	495:05	7,469:55
Colfer, A.P. Cooke, T.C.	9,265:45	535:20	9,801:05
Cooke, T.C.	8,631:55	172:30	8,804:25
Cram, W.W.	2,352:50	314:35	2,667:25
Croal, D.M.	3,829:20	433:15	4.262:35
Culliton, J.E.	1,396:50	46:40	1,443:30
Denley, J.G.	8,622:25	301:55	8,924:20
Evans, J.B.	5,698:55	333:00	6,031:55
	F 742.00	15.05	E 770.55
Fiskar, U.W.	5,763:00	15:25	5,778:55
Good, S.D.	251:40	354:25	606:05
lennie, N.S.	4,172:50	316:00	4,488:50
Hoar, H.S.	3,790:30	286:20	4,076:50
loeberg, P.S.	4,739:30	599:00	5,338:30
lowe, F.R.	568:55	305:30	874:25
Kachanovsky, J.	-	248:45	248:45
(irk, C.J.	5,884:45	269:30	6,154:15
Lamont, J.A.	5,011:10	387:20	5,398:30
efeuvre, C.J.	10,702:45	395:55	11,098:40
Lowe, B.	2,539:00	356:20	2,895:20
Marych, E.	576:25	360:10	936:35
MacDougall, F.A.	5,579:25	4:05	5,583:30
ichellan, D.	0,077.20	159:30	159:30
McLeod, A.A.	336:55	331:50	668:45
4-7 1 1 1	207 80	447.40	1
McLeod, A.K.	396:50	641:40	1,038:30
McNabb, D.D. Moore, K.	557:05	507:55	1,065:00
Moore, K.		246:25	246:25
Worth, D,H.	2,320:20	504:20	2,824:40
Parsons, R.	8,356:00	254:40	8,610:40
Pike, S.J.	2,271:55	201:50	2,473:45
Siegel, J.	6,510:40	308:15	6,818:55
Sneight. H.C.	9,985:30	447:30	10,433:00
Speight, H.C. Taylor, J.M.	3,770:00	43:55	3,813.55
Thomas, E.	4,794:55	343:35	5,138:30
Phanana P I	4 154.55	F22.40	·
Thompson, F.J.	4,154:55	533:20	4,688:15
furcotte, L.J.	2,730:55	418:20	3,149:15
Weisflock, E.J.	688: 20	534:25	1,222:45
Other Pilots	223,044:15	280:50	223,325:05
TOTAL HOURS	397,159:05	14,752:40	411,911:45

	1946	30 April 22 April 23 May 27 April 7 May	1 May 14 May 7 May	7 May 30 April 26 May 30 April 7 May	15 May 11 April 3 May 3 May 13 April	23 April 22 May
	1945	26 April 26 April 12 May 27 April	12 May 10 May 5 May	23 May 9 May 2 May 10 May	3 May 10 April 10 May 1 May	20 April 12 May
	1944	3 May 7 May 19 May 15 May	14 May 19 May 20 May 17 May	23 May 5 May 16 May 19 May	17 May 27 April 15 May 8 May	8 May 18 May
	1943	8 May 17 May 5 June 12 May	18 May 12 May 18 May	28 May 111 May 111 May 22 May	21 May 10 May 17 May 7 May	18 May 19 May
oat Flying)	1942	26 April 27 May 5 May 29 April	29 April 29 April 1 May	8 July 4 May 29 April 4 May	5 May 24 April 29 April 29 April	29 April 5 May
AIR SERVICE BASE OPENING DATES (or First Float Flying)	1941	21 April 2 May 10 May 2 May	1 May 30 April 13 May	12 May 1 May 14 May 1 May 10 May	17 May 1 May 30 April	3 May 12 May
NING DATE	1940	5 May 7 May 19 May 15 May	18 May 15 April 22 May	28 May 9 May 24 May 9 May 23 May	29 May 2 May 18 May 4 May	7 May 23 May
CE BASE OP	1939	7 May 12 May 15 May 11 May	12 May 9 May 16 May	19 May 14 May 29 May 12 May 13 May	22 May 28 April 11 May 5 May	13 May 18 May
AIR SERVI	1938	6 May 2 May 24 May 11 May	14 May 12 May 9 May	14 May 18 May 14 May 16 May	16 May 21 April 5 May 30 April	3 May 16 May
	1937	3 May 8 May 17 May 13 May	25 May 17 May 15 May 7 May	10 May 27 May 27 April	14 May 13 May 4 May	18 May
	1936	4 May 14 May 24 May 19 May	19 May 19 May 18 May 24 May	24 May 28 May 15 May	l June l April 18 May	1 June
*Year Round Base	BASE	*Algonquin Park. 4 Biscotasing 14 Caribou Lake 24 Eva Lake	Geraldton Goose Island Ignace Kenora	2 Pays Plat Pickle Lake Port Arthur Red Lake	Remi Lake *Sault Ste. Marie Sioux Lookout South Porcupine.	Temagami I June Twin Lakes I June Whitefish Lake

# AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

1957		6 May 29 April 7 May 1 May 6 May 10 May 6 May 6 May 79 April		6 May 29 April 6 May 1 May 1 May 3 May 3 May 3 April 10 May 10 May	
1956		16 May 16 May 17 May 14 May 16 May 17 May 7 May	16 May 1 June 3 May 15 May 1 June 30 April 19 May	the second second second second second	
1955		28 April 27 April 22 April 28 April 26 April 19 April		29 April 19 April 27 April 19 April 26 April 22 April 6 May	
1954		17 May 13 May 18 May 18 May 18 May 18 May 28 April		19 May 13 April 20 May 5 May 4 May 18 April 22 May 18 May	
1953	21 April 15 May 14 May 8 May		10 May 8 May 30 March 6 May 13 May 30 April 8 May	13 May 27 March 7 May 5 May 20 April 21 April 13 May 11 May	
1952	24 April 10 May 7 May 8 May		8 May 7 May 23 April 2 May 7 May 7 May 3 May	2 May 7 April 3 May 1 May 28 April 1 May 30 April 16 May	
1951	29 April 21 May 30 April		8 May 16 May 17 April 8 May 17 May 17 May 15 May	3 May 9 April 12 May 30 April 25 April 1 May 1 May	
1950			8 May 23 May 27 April 18 May 3 June 19 May 29 May	23 May 6 April 27 May 19 May 12 April 15 May 30 May	
1949	2 April 7 May 9 May 10 May 1 May 1 May		10 May 12 May 13 April 7 May 9 May 30 April 3 May	4 May 7 Abril 1 May 3 May 25 Abril 20 April 11 May	
1948			18 May 12 May 8 May 18 May 18 May 13 May	10 May 14 April 12 May 12 May 27 April 27 April 14 May	
1947	8 May 17 May 3 June 16 May		12 June 12 June 6 May 14 May 2 June 16 May 20 May	2 June 20 April 20 May 14 May 17 May 17 May 8 June	
BASE	*Algonquin Park. Biscotasing Cariby Lake Caribou Lake *Chapleau.	*Fort Frances *Gorandaton *Gogama *Gorandaton *Kenogami Lake *Kenora	Out take  Parry Soud  Pays Plat  Pickle Lake  *Port Arthur	Remi Lake Sault Ste Marie Sloux Lookout. South Porcupine Sudbury. Tenagami. Treed. Treed. Twin Lakes.	

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

1967	23 May 30 May 2 May 24 April	16 May 3 May 11 May 5 May	27 April 15 May 29 April 6 May	21 April 1 June 3 May 24 May 23 May		1 April 20 April 12 May
1966	25 May 26 May 1 April 6 May	1 April 16 July 19 May 6 April	25 April 29 May 2 April 9 May	l April 31 May 17 May 25 May 24 May	1 April 23 May 14 May 25 April 9 May	5 April 25 April 19 May
1965	15 May 13 May 17 May 7 May 4 May	11 May 7 May 13 May 12 May 3 May	4 May 11 May 4 May 11 May	4 May 13 May 11 May 12 May 12 May	10 May 11 May 8 May 14 May	4 May 13 May 11 May
1964	7 May 13 May 11 May 1 May 4 May	7 May 1 May 8 May 4 May 8 May	30 April 8 May 23 April 8 May	25 April 17 May 16 May 10 May 6 May	3 April 7 May 4 May 28 April 4 May	20 April 23 April 11 May 10 May
1963	24 April 9 May 20 May 29 April 25 April	7 May 1 May 8 May 8 May 6 May	22 April 8 May 22 April 23 April	23 April 17 May 5 May 8 May 9 May	3 April 2 May 11 May 24 April 1 May	17 April 18 April 15 May 15 May
1962	3 May 13 May 25 May 7 May 1 May	16 May 7 May 11 May 10 May 9 May	26 April 16 May 15 May 25 April 11 May	26 April 16 May 16 May 15 May 15 May	2 April 8 May 9 May 27 April 9 May	6 April 25 April 22 May 15 May
1961	4 May 10 May 24 May 4 April 1 May	11 May 10 May 11 May 13 May 11 May	26 April 12 May 11 May 26 May 10 May	4 May 19 May 19 May 19 May 11 May	4 April 16 May 11 May 10 May 17 May	19 April 25 April 21 May 12 May
1960	2 May 1 22 May 1 22 May 2 11 May 4	18 May 5 May 12 May 18 May 12 May	2 May 12 May 23 May 27 April 12 May	20 Nay 13 May 16 May 19 Nay	11 April 16 May 16 May 4 May 11 May	28 April 28 April 25 May 20 May
1959	5 May 12 May 15 May 14 May 28 April	10 Nay 6 May 8 May 12 May 30 April	20 April 8 May 11 May 27 April 8 May	15 May 24 April 14 May 12 May	8 April 14 May 8 May 1 May 8 May	28 April 27 April 15 May 12 May
1958	23 April 9 May 15 May 24 April 18 April		17 April 2 May 4 May 21 April 2 May	16 May 30 April 2 May 7 May	26 March 1 May 2 May 18 April 2 May	. 20 April . 18 April . 13 May
BASE	Algonquin Park. Carey Lake Armstrong Chapleau		Lauzon Lake Nym Lake Oba Lake Parry Sound Pays Plat	*Pembroke Pickle Lake Port Arthur Red Lake Remi Lake	*Sault Ste. Marie *Sioux Lokout *Timmins *Sudbury Temagami	*Toronto Tweed Twin Lakes
	1		69			

69

\*Year Round Base

# LANDS AND SURVEYS BRANCH

# SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

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- Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.
- † Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.
- ‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning added in 1958 and Engineering Section added in 1962. Land Acquisition Section was created in 1963. Land Use Planning Section merged with Land Acquisition in 1966 as Land Acquisition and Planning Section.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

# LANDS AND SURVEYS BRANCH

Chief: Robert G. Code

#### LANDS SECTION

Supervisor: R.S. Hyslop
Administration of public lands and their disposition
by sale, patent, vesting order, quit claim deed,
lease, licence of occupation, or land use permit;
release of reservations in patents, assignments and
cancellations; reservation of lands for public and
government uses; and maintenance of Wilderness Areas.

# LAND ACQUISITION & PLANNING SECTION

Supervisor: W.G. Maslen
Recommendations and applications for purchase of
private lands for public uses; development and coordination of land use plans in all districts for
the management of renewable, natural resources;
Recreational Land Inventory Sector of Canada Land
Inventory; co-ordination of departmental A.R.D. A.
projects; and liaison with Department of Agriculture
and Food on private lands.

### SURVEYS SECTION

Supervisor: S.B. Panting

Examination, recording and custody of original plans and field notes of restoration of original Crown survey points, retracement and Municipal surveys, and surveys of Crown lands for disposition; map compilation; authorization of geographical names; distribution of maps, publications and copies of survey records. Branch attendance, accounts payable, supplies and equipment.

#### ENGINEERING SECTION

Approval of dams; licences of occupation for dams, flooding and diversions; water resource management; issuance and servicing of Water Power Lease Agreements; engineering consultations; feasibility studies, inspections, reports, planning for fish culture stations, Wetland developments, fishways and other fish and wildlife projects; access roads.

# SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

1783-1818	-	single front
1787-1813	-	front and rear
1818-1829	-	double front
1829-1851	-	2, 400-acre block
1835-1906	-	1,000-acre block
1859	-	Townships 6 miles square -
		no road allowances -
		Townships divided into 36
		sections.
1872	_	Townships 6 miles square -
		no road allowances -
		6 concessions and 12 lots.
1876	-	Townships - similar
		manner to Dominion Land
		Survey system - 36 sections
		with 1-1/2 chain road
		allowances around each
		section.
1906	-	1,800-acre blocks.

Since the first township was surveyed in 1783, 1,172 townships have been surveyed or partly surveyed and divided into lots and concessions. In addition, the boundaries of 1,386 unsubdivided townships have been designated.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 205 township subdivision surveys have been annulled, as of May 31, 1967, under the provisions of Section 10 (1) of the Public Lands Act; the first annullment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The present policy is to sell land wherever possible in accordance with registered plans of subdivision. From February, 1959, to October 30, 1967, a total of 763 plans of subdivision for summer cottage purposes have been registered, covering 9,171 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. As of March 31st, 1967, the total installed capacity of power plants under lease and in service is 5,049,420 horsepower. The total installed capacity of all plants developing energy from the water power resources of the Province is 8,406,320 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

The highest known point in Ontario is Ogidaki Mountain, located in Township 24, Range 12, Algoma District - elevation 2,183 feet above mean sea level.

# LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

# LAND ACQUISITION AND PLANNING SECTION

This section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

Since 1965 this section also supervises and co-ordinates the functioning of Land Use Planning. The recreational Land Use Planning Advisory Committee was established by Order-In-Council to advise on recreational planning in the departmental administrative districts.

The Private Lands Liaison Committee is a joint committee with the Department of Agriculture to deal with common problems.

The request for land for recreational use has increased greatly since 1948. The Department adopted the policy of zoning areas to ensure orderly development of public lands.

Under the Canada Land Inventory the Province agreed to co-operate with the Government of Canada in carrying out a capability inventory of the timber, wild life and recreation resources in the province. The inventory is designed to produce maps and data on soil and site capability for resource management uses.

# PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

### LANDS PROPOSED, ACQUIRED AND REJECTED

In year ending March 31, 1967

Use Category	Acres Proposed	Acres Rejected	Acres Acquired	Cost
Provincial	43 300 00	40 005 00	( 244 40	£1 700 222
Parks	43,329.00	48,085.00	0,244.49	\$1,780,323
Access Points	7,952.87	1,520.60	290.90	37,128
General				11 (10
Recreation	9,500.02	14,920.85	851.30	11,630
Wilderness Areas	846.17	640.24	614.30	35,023
Wildlife				
Management	7,358.18	156.00	1,876.00	107,177
Timber	00 422 11	F7/ F0	0 050 42	186,634
Management District	89,432.11	576.50	8,859.42	180.034
Improvements	127.60	3.13	109.30	17,760
Totals	158,545.95	65,902.32	18,845.71	2,175,675

ACRES ACQUIRED in years ending March 31st

Use Category	1964	1965	1966	1967
Provincial Parks	8,462	9,193.45	7,437.42	6,244.49
Access Points General	1,200	78.74	610.03	290.90
Recreation Wilderness	0 0 0	2.47	68.39	851.30
Areas Wildlife	10	• • •	190.48	614.30
Management Timber	1,900	2,203.40	3,460.55	1,876.00
Management District	2,202	5,118.94	3,363.13	8,859.42
Improvements	10	1.06	592.00	109.30
Totals	13,784	16,598.06	15,722.00	18,845.71

### LAND ACQUIRED BY CROWN

### Acreage in years ending March 31st

(Provincial Parks not included)

Year	Provincial Tax Forfeitures	Cancellation of Sales	Purchased or Otherwise Acquired	Total
1961	9,997	19,166	2,055	31,218
1962	16,459	11,090	1,672	29,221
1963	10,187	14,062	7,500	31,749
1964	9,399	2,139	10,500	22,038
1965	2,174	7,969	12,081	22,224
1966	5,484*	1,989	15,130	22,603
1967	8,402	1,840	18,846	29,088

<sup>\*</sup>Figures for previous calendar year ending December 31.

FREE GRANT LAND in years ending March 31st

	1 8880-	vade o	H0 mm -	H00100	<b>b</b> 61
Acres	26,068 21,668 22,119 14,360 24,287	19,826 21,411 16,131 17,713 11,219	7,501 6,089 6,483 4,658 5,911	3,701 2,670 3,939 2,385 1,319	1,307
Patents					
No.	216 168 164 107 196	150 165 120 136 87	59 44 44 44	29 25 30 18	12 7
Assignments Acres	14,214 15,523 8,415 7,085 7,200	7,747 5,060 3,452 2,618 1,005	517 151 156 160 50	156	0 0 0 0 0 0 0 0
Ass No.	120 122 64 54 62	56 37 25 19	4	C1	: :
Cancellations Acres	61,459 51,906 48,578 30,536 40,732	35,371 19,785 21,874 30,784 25,755	12,661 8,727 6,950 4,689 4,597	9,799 5,033 7,979 1,222 2,721	2,756
Canc No.	545 4449 403 280 336	289 159 181 250 209	114 78 60 43 48	89 51 12 23	24
Locations	5,737 8,243 8,649 5,872 6,192	3,608 3,411 4,655 2,757 1,823	2,708 878 796 462 386		* * * * * * * * * * * * * * * * * * *
No.	449 48 48	28 37 24 17	08 08 94 4		::
Year	1946 1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966 1967

## AGRICULTURAL LAND in years ending March 31st

Patents Acres	36,683 52,189 32,929 26,435 35,483	28,104 26,474 29,319 29,123 21,265	17,892 14,882 15,471 11,644 10,980	11,633 10,267 9,512 8,783 6,468	4,362 2,510
No.	321 433 299 225 316	256 242 256 256 188	148 126 150 110 105	108 94 84 88 62	7 7 8 7 8
Assignments Acres	17,464 22,801 21,667 12,392 12,145	7,673 7,313 7,560 4,484 4,131	3,008 1,461 807 1,227 211	1,531 330 446 80	
As.	162 222 185 105 113	69 71 70 50 92	26 115 7 7 3	₩ 4 ₹ ₹ ₩ •	• •
Cancellations Acres	42,933 29,470 37,069 35,095 32,452	22,134 13,358 21,645 13,049 17,377	18,513 19,038 17,087 13,788 5,788	9,133 5,892 5,868 810 4,778	2,860 1,591
No.	438 338 402 378 327	221 143 221 131 161	184 191 174 141 59	48 S S 8 8 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8	29 15
Sales	26,535 29,757 29,506 28,740 26,671	19,228 24,420 21,965 14,534 15,232	12,230 8,683 10,543 10,607 6,578	3,808 1,102 284 549 1,384	1,084
No.	281 303 280 277 267	195 223 186 144 158	117 82 101 101 68	35 10 5 6 6	6.12
Year	1946 1947 1948 1949 1950	1951 1952 1953 1954 08 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

SUMMER RESORT LAND in years ending March 31st.

# CITIES, TOWNS AND TOWNPLOTS in years ending March 31st

guit Claim Deeds No. Acres	::::	:::::	12.909	155.89 1.34 28.314 2.305 0.13	69.0
Quit No.			• • • • • • • •	~~~~~	<b>.</b>
Patents Acres	175.39 6.634 111.60195	94.3345 38.274 68.950 63.0438 26.651	1,613,190 70,632 323,050 37,990 75,994	25.618 61.243 36.547 218.826 15.019	12.254
No.	249 146 182	143 90 126 99 70	85 85 69 101 99	91 105 99 67 45	45
Assignments Acres	6.67 8.904 21.764	2.2145 1.576 0.378 1.682 2.39	1.44 0.37 0.86 0.978 0.941	0.98 2.885 0.2 0.394	0.24
Ass No.	27 22 11	10 10 17 11	V 0 4 4 4	v :∞	
Cancellations No. Acres	2.39 17.182 1.668	30.05 1.695 13.82 23.308 5.271	6.06 5.04 1.159 2.109 1.1872	3.318 5.708 6.318 4.892 2.840	2,140 1,063
Canc No.	9 17 10	15 7 19 8 8	440,021	17 20 31 4 4	11 5
Sales Acres	137.92 68.626 102.906	56.996 252.47 64.7477 28.604 15.411	44.690 60.547 15.693 30.8821 36.315	29.443 39.910 31.941 34.650 7.140	14.189
No.	275 151 97	87 91 111 89 60	91 96 76 109 113	83 104 77 64	34
Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

82

## LAND FOR SPECIAL USE in years ending March 31st

Seeds		0 0 0 0	1.35	50.00 3,409.015 1,387.196 4,152.1467	1,916,369 926.54 1,037,583
H	1	: ::::		50 409 387	926 926 037
Quit Claim No.				w - 4,	≓ ≓
Quit No.	* * * *		• • • • • • • • • • • • • • • • • • • •	, 645 253 645 753 753 753 753 753 753 753 753 753 75	12 12
Patents Acres	13,272.99	5,461.188 5,471.559 7,318.1075 6,931.922 6,168.493	6,274.0393 5,175.287 5,620.207 2,554.183	4,888,957 4,090,992 4,863,112 6,624,6265	2,345,328 3,916,502
No.	145	157 175 170 170 154	132 132 152 108 162	156 158 146 140	99
Assignments Acres	134.05 184.53 95.86	100.68 20.08 2.91 87.56 111.771	6	1.69	• • • • • • •
No.	A . W 4	. 24278	w • • ⋈ w	• (4) • • •	• •
Cancellations O. Acres	110.00	255.655 576.64 640.02 418.984 614.26	427.33 249.84 545.20 95.48 228.25	159.31 82.114 180.21 83.03 432.33	244°489 47°01
Can No.	• • 10 10	112021	01 22 4	0 € € € € € € € € € € € € € € € € € € €	ω <sub>10</sub>
Sales Acres	14,293.96 20,541.913 26,616.1662	4,285.757 5,367.3395 5,440.696 4,220.913 4,745.9465	7,451.9988 2,122.698 4,533.512 1,738.784 3,201.033	9,149.599 2,587.402 2,527.392 1,529.052 622.792	671.858
No.	211 199 183	155 149 141 145 143	129 81 148 88 88 157	108 122 100 75 86	83 128
Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966

## LICENCES OF OCCUPATION

N

### **LEASES**

YEAR	No.	No.	No.	No.
Ending March 31st	Issued	Cancelled	Issued	Cancelled
waren 31st	Issueu	Cancerred	Issueu	Cancerred
1947	86	219	151	22
1948	108	138	109	26
1949	87	125	92	44
1950	96	97	88	44
1951	81	114	88	37
1952	87	104	113	36
1953	66	60	88	29
1954	88	124	84	45
1955	59	48	11	60
1956	60	61	53	88
1957	84	81	60	71
1958	65	76	32	22
1959	75	58	26	26
1960	55	57	51	29
1961	68	64	37	20
1962	71	62	50	21
1963	47	79	51	31
1964	70	96	50	34
1965	32	66	127	111
1966	53	71	76	86
1967	65	90	80	97

LAND USE PERMITS in years ending March 31st

Total	18,955 22,458 15,846	19,035 16,031 21,201 18,128	30,321 29,669 34,471 36,742 36,625	29,899 32,903 37,078 40,232 35,438	31,810
Total No.	1,888 2,211 2,583 3,270	3,891 3,809 4,274 4,559	2,918 3,059 3,146 3,053 3,440	3,472 3,866 3,904 4,379 4,436	4,382
Dept. Houses	330 377 501 1,262	1,617 1,758 1,671 1,964 2,046	2,543 2,613 2,858 3,121 3,107	3,181 3,068 3,210 3,173 3,173	3,055
Misc.	95 307 370 265	599 643 400 563 683	453 537 509 365 416	548 478 572 561 713	683
Boat	56 80 77 42	79 76 69 41 102	216 237 252 368 344	255 254 265 275 415	397
Sugar Bush	10 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	9:1:6	ωω∺ωω	7 4 4 7 ZI	<b>►</b> ∞
Mill Site	172 197 170 175	231 239 187 169 180	216 215 184 214 149	188 158 152 156 163	154
Marsh Hay	38 115 57 67	56 34 24 19	29 36 37 31 45	22 22 17 19 46	8 4 8 55
Agricul- ture	201 233 129 122	947 34 35 35 44	130 84 79 89 65	84 4 4 9 8 8 4 4 7 4 7 4 4 7 4 7 4 9 8 8 9 4 4 7 4 7 4 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	57
Residence and Garden	570 489 446 386	261 259 299 224 246	435 459 514 514 503	328 443 441 591 349	338
Trappers Cabin	25 47 33 18	132	200 328 218 279 226	201 216 241 278 296	325
Hunt	391 464 543 786	796 866 957 1,064 1,220	1,234 1,248 1,352 1,190 1,689	1,875 2,245 2,163 2,424 2,395	2,413
Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959	1961 1962 1963 1964 1965	1966

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

# DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

Grand Total	27,179 22,362 31,770 33,448	35,493 40,481 45,934 52,487 73,547	64,743 77,947 79,323 91,862 89,767	79,920 1111,731 91,673 62,408 58,981	67,368 74,211
National Topographical Series	10,535 11,215 15,241 17,013	21,435 20,214 30,310 24,863 34,060	35,676 33,977 44,328 47,329 43,534	36,993 45,848 47,712 34,160 35,210	39,697 40,854
Provincial Topographical Series	• • • • • • • • • • • • • • • • • • •	3,925 2,242 9,596 14,223	12,928 16,036 17,720 21,458 25,357	26,111 33,018 21,842 9,525 7,060	2,543 6,157
Total	16,644 11,147 16,529 16,435	14,058 16,342 15,624 18,028 25,264	16,139 27,934 17,275 23,075 20,876	16,816 32,865 22,119 18,723 16,711	25,128 27,200
Misc。	5,475 1,774 3,391 6,827	4,453 4,509 5,271 5,976 9,832	2,712 13,845 2,726 11,310 9,543	8,435 19,084 9,517 9,517	14,526
Electoral 33A	141 25 169 152	61 311 207 64 250	839 190 126 259 320	142 503 193 313 257	135
Territorial Series	7,378 7,373 8,169 7,560	6,730 9,426 8,156 9,254 12,137	10,475 11,687 12,592 9,071 9,728	6,906 10,755 11,215 8,255 9,152	9,881
20,20A*	3,650 1,975 4,800 1,896	2,814 2,096 1,990 2,734 3,045	2,113 2,212 1,831 2,435 1,285	1,333 2,523 1,194 652 651	586
Year	1947 1948 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966 1967

### RETRACEMENT SURVEYS

### In years ending March 31st

Year	MI	ILES
1958		70
1959		50
1960	•••••	118
1961		170
1962	••••••	325
1963	**********	290
1964		235
1965	•••••	321
1966		385
1967	***************************************	3 13

### INSTALLED CAPACITY IN HORSE-POWER

Of All Plants Under Crown Lease In years ending March 31st

Year		н.Р.
1958		2,767,890
1959		3,796,190
1960	***************************************	4,327,490
1961		4,380,490
1962	•••••	4,500,490
1963	•••••	4.500.490
1964		4,654,820
1965	•••••	4,673,420
1966		4,861,420
1967	• • • • • • • • • • • • • • • • • • • •	5,049,420

### WILDERNESS AREAS

The following have been declared wilderness areas under The Wilderness Areas Act of 1959 for the reasons stated.

### O. Reg. 281/60 - Filed Oct. 21/60

- 1. HILTON TOWNSHIP -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
- 2. MONTREAL RIVER -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
- OLD BRUNSWICK HOUSE -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
- 4. ABITIBI LAKE NARROWS -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
- 5. OLD FORT ALBANY -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
- 6. KISHKEBUS LAKE -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
- 7. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.
- 8. CAPE HENRIETTA-MARIA -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
- 9. ECHO TOWNSHIP -- 492 acres in Echo Township, District Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
- 10. THE JONES ROAD -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
- 11. MASSACRE ISLAND -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

- 12. SIOUX MOUNTAIN -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.
- 13. SUTTON LAKE GORGE -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
- 14. WHITE OTTER LAKE -- 41 acres in Sioux Lookout District Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.
- 15. RONDEAU PROVINCIAL PARK -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
- 16. CRATER LAKES -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
- 17. McCRAE LAKE -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
- 18. TURKEY POINT -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
- 19. MATAWATCHAN -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
- 20. EIGHTEEN MILE ISLAND -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
- 21. FAIRY POINT -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
- WHITEFISH FALLS -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
- 23. BAT CAVE -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickieana.
- 24. GANLEY HARBOUR -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.
- 25. OUTER BARN ISLAND -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

\*26. PORPHRY ISLAND -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

### \*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

- 27. RICHARDSON HARBOUR ISLAND -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
- 28. SLEEPING GIANT -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

### O. Reg. 268/61 - Filed July 28/61

- 29. NEW BRUNSWICK HOUSE POST -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
- 30. THE PINERY PROVINCIAL PARK DUNE FOREST -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature tails and offers a magnificent view from a point overlooking the Ausable River and its marsh borders.
- 31. THE PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.
- 32. THE PINERY PROVINCIAL PARK FOREST -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
- 33. THE PINERY PROVINCIAL PARK SHORE -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
- 34. PRESQU'ILE ISLANDS -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ringbilled gulls and common terns which occur on these islands in thousands.
- 35. AGATE ISLAND -- 148 acres in District of Thunder Bay --Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

### O. Reg. 35/62 - Filed Feb. 12/62

36. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H.J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961.

### O. Reg. 251/63 - Filed Sept. 17/63

\*37. PUKASKWA -- By far the largest Wilderness Area to date (1963) with approximately 600,000 acres on Lake Superior in the Districts of Algoma and Thunder Bay (White River Forest District). It was set aside because of the inaccessibility of its interior, its outstanding scenic beauty (rough terrain and rushing waters) and its notable hunting and fishing potential.

\*Re-enacted by O. Reg. 89/64 - Filed Apr. 27/64

### O. Reg. 229/64 - Filed Sept. 2/64

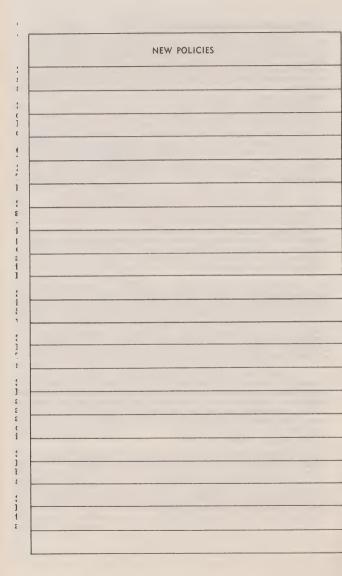
38. SHOAL LAKE -- Reserved as historic site in Fort Frances District: 15.72 acres formerly used as Pow-Wow Grounds by Indians of the area. Established in 1964.

### O. Reg. 259/64 - Filed Oct. 5/64

- 39. SANKEY TOWNSHIP NATURE RESERVE -- Approximately 72 acres in Kapuskasing District and in climatic region 3E (see Page 4, Ontario Resources Atlas), established in 1964 as an example of typical forest cover that will be maintained in an untouched condition. Adjacent to the Sankey Demonstration Unit, it will be valuable as a direct contrast of wild to managed stands. The tree cover consists of pure stands of black spruce and mixed stands of white spruce, black spruce, balsam fir and poplar. The ground cover consists of vaccinium-mosses, brush-alder, mountain maple and dogwood.
- 40. BLAIR TOWNSHIP NATURE RESERVE -- 168 acres of unlicensed Crown land in the northwestern part of Parry Sound District with a typical stand of red and white pine. The tree cover includes white spruce, poplar and white birch is the main crown canopy. Deer, moose and common fur-bearers of the region occur on or near the area. Established in 1964.

### O. Reg. 30/66 - Filed Jan. 28/66

- 41. DERBY LAKE -- 450 acres in Godson Township, District of Kenora to preserve an over-mature stand of white pine.
- 42. GIBSON RIVER NATURE RESERVE -- 415 acres in Township of Baxter, District of Muskoka. This area contains a typical stand of tolerant hardwoods mixed with white pine, hemlock and cedar, and with a representative population of wildlife.



### LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957, and Chief, Law Branch, on July 28, 1966.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

### ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

### FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; frogs; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farmer-hunter relations.

### LAW BRANCH

Chief: G. H. FERGUSON, Q.C. SOLICITORS: W.E.D. Peters W.J. Obelnycki D.J. Hawley PATENTS OFFICE Supervisor: B. P. Foster SECRETARY Stenographic Staff

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fish Act, 1961-62.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

### FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 21 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

### LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee and the Surveyor-General are members of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE NORTH GEORGIAN BAY RECREATIONAL RESERVE ACT, 1962-63, establishes the North Georgian Bay Recreational Reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26, 1959, 42 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

### OPERATIONS BRANCH

THE LOGGERS' SAFETY ACT, 1962-63, establishes safety standards in logging operations, requires returns and provides for penalties.

### PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 but rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is \$1.00 per day or \$5.00 for the season. Campsite charges are \$1.50 per day or \$9.00 per week. (The seasonal admission is valid for any provincial park or any park of the St. Lawrence Parks Commission.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

### TIMBER BRANCH

THE CROWN TIMBERS ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the stumpage charges are less than \$2,000.00 or by way of short renewals; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive rights in a specific area until a license is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODLANDS IMPROVEMENT ACT, 1966, provides for the Minister to enter into agreements with owners of lands suitable for forestry purposes and situate in a private forest management area for the planting of nursery stock or stand improvement.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

### GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The board consists of the Chairman of the Niagara Parks Commission, the Chairman of the St. Lawrence Parks Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development or their successors plus any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act, The St. Lawrence Parks Act and The Provincial Parks Act,

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is R. G. Code, Surveyor-General, with S. B. Panting as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

- (a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States:
- (b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.
- (c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and
- (d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

## FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

LAC SEUL WATER DIVERSION - February 28th, 1928
 The Province constructed a water dam at the outlet of Lac
 Seul. Total Cost: \$833,919.19.

Under the agreement

- (1) Three-fifths of cost contributed by Canada, \$ 500, 351.52.
- (2) Two-fifths of cost contributed by Ontario, \$ 333,567.67.
- (3) Canada assumes the total cost of maintenance and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

As water power is developed, Ontario pays Canada the percentage mentioned in item (4) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada 33.3333333 per cent for navigation.
- (2) Ontario 11.4871785 per cent for power head.
- (3) Manitoba 55.1794882 per cent for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183, 961. 19, Ontario's share of the cost of storage.

Ontario is also responsible for 11. 4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

 USE OF BECKWITH ISLAND FOR GROUSE RESEARCH. October, 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

- 4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:
  - Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
  - (2) Canada provides research personnel and equipment for the laboratories:
  - Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committe;
  - (4) Result of studies, advice and assistance will be available to Ontario;
  - (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories.
- WEATHER OBSERVATION SERVICES- Pickle Lake. Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by agreements dated 28th, October, 1960, and 12th July, 1967.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$145 a month subject to deductions for non-reporting of weather observations.

- 6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92
  By an exchange of letters between the Deputy Minister of
  Citizenship and Immigration dated July 18th and October 6th,
  1960 and the Deputy Minister of Lands and Forests dated the
  29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960,
  subject to a renewal if required and provided the Department of
  Lands and Forests maintains the road in summer and winter
- 7. RESOURCE MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario, and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE FORESTRY ACT (Ontario)
By an agreement dated August 16, 1961, between
the Minister of Lands and Forests and The National
Capital Commission, the Commission leased the lands
described in Schedule "A" of the agreement, being
part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961.
Additional Lands may be added to the agreement from
time to time by a lease in the form appended to the
agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have prior approval of the the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from lands are received by the Minister and on termination or expiry of the expenses less the revenues, without interest. If there is an excess, it shall be paid of the Commission without interest. The agreement is to be reviewedfollowing April 1, 1963 and every second year thereafter.

### 9. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters between the Minister of Fisheries dated October 23rd, 1967 and the Minister of Lands and Forests dated November 7th, 1967, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests agreed to amend the existing areas of responsibility for fisheries research in the Great Lakes as follows:

Canada will assume the responsibility for:

- 1. Lamprey research and control programmes in the Great Lakes.
- 2. Such studies in Ontario waters as may be recommended by the Federal-Provincial Committee for Ontario Fisheries, subject to availability of personnel and funds.
- 3. A general research programme on eutrophication.

- Technological research related to the development of new products and of new techniques for handling, packaging, preparing, and storing freshwater fisheries products.
- Economic studies of Ontario fisheries upon request by provincial authorities, subject to the limitations of staff and budget.
- 6. The administration of federal fish inspection legislation within the Province and assist the provincial authorities in the administration of provincial fish inspection regulations.

Ontario will assume responsibility for:

- General fisheries research in support of its fisheries management responsibilities in all Ontario waters.
- 2. Co-operation with the federal programme on eutrophication by making small lakes available for experimental work if mutually satisfactory arrangements can be made. The research required to provide solutions to local eutrophication problems in specific waters will remain the responsibility of Ontario.
- 3. Gathering, summarizing and analyzing sport and commercial fisheries statistics.
- 4. Fish culture programmes in the province (professional and technical officers of the Federal Government competent in this field will be made available for consultation or assistance upon request).

Canada agreed to co-operate with Ontario on a cost-sharing basis in projects proposed by Ontario in developments of the industrial fishery such as exploratory fishing, gear and boat development, fish farming, handling, processing and distribution or marketing of fisheries products; on the basis that priorities are considered by the Industrial Development Subcommittee and funds are available.

### 10. TECHNICAL AND VOCATIONAL TRAINING

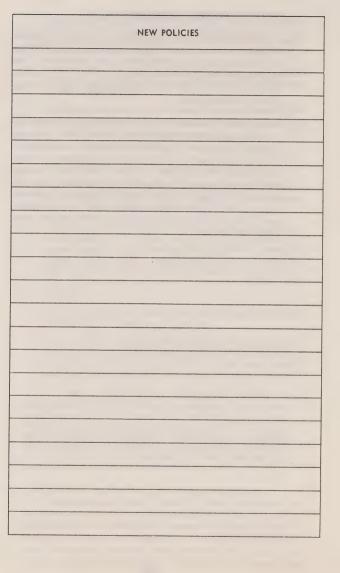
An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified

qualifications and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

11. AGREEMENT UNDER THE STATISTICS ACT, 1962-63

By an agreement dated March 3rd, 1964, between Canada (Minister of Trade and Commerce) and Ontario (Minister of Lands and Forests and Minister of Economics and Development), Canada, Lands and Forests and Economics and Development agreed to co-operate in the collection and exchange of statistical information related to the appropriate annual census forms sent to establishments engaged in producing or using forest products.



### **OPERATIONS BRANCH**

At the re-organization of the Department in June, 1941, the Division of Operation and Personnel was established as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities,

 $P_{\star}$  O. Rhynas was transferred from the Department of Labour to organize an efficient concentration of services as Chief of the new Division,

Operations was formed as a Division on December 1, 1957, with the separation of Personnel, and re-named Branch on December 1, 1959.

The sixth section, Accident Control, was formed when the Department assumed responsibility for the administration of The Loggers' Safety Act on November 20, 1964.

The objectives of Operations Branch are as follows.

- To promote public understanding of Department activities and objectives in the management of Ontario's renewable, natural resources.
- To develop and promote good safety practices in forest work, in recreational activities on public lands and waters, and in all Department operations.
- To effect efficiency in purchasing and in other assigned services performed for branches and field offices.

### OPERATIONS BRANCH

Chief P.O. RHYNAS OFFICE MANAGEMENT Supervisor: A.F. Madore Office Management, Records Circular Production, Uniforms Inventory of Major Equipment PURCHASING Supervisor: G.A. Harper

Supervisor Purchasing and Warehousing

M. A. GONTIER

Supervisor

Purchases, Leases, Invoices Inventories, Material Control Meetings, Travel Arrangements

### CENTRAL SUPPLY WAREHOUSE

Supervisor: R.M. Toms

Housing, Recording and Shipping, Delivery to Toronto Area Offices Duplicating and Collating

G.E. MULHOLLAND

Supervisor

### CONSERVATION INFORMATION

Supervisor: G.E. Mulholland

News and Press Releases, Photos Publications, Public Appeals Information, Editorial Services

C.V. RICH Supervisor Accident Control

Acting Supervisor Conservation Education

### ACCIDENT CONTROL

Supervisor: C.V. Rich

Logger Safety, Hunter Safety

Workmen's Compensation Department Safety, Parks Safety

### CONSERVATION EDUCATION

Acting Supervisor: C.V. Rich

Exhibits and Display Material Lectures, 16 mm Films Material for Radio, Television

### HUNTER SAFETY TRAINING PROGRAM®

	ACTIVE INSTRUCTORS	STUDENTS GRADUATED		HUNTING ACCIDENTS		_
Year	at December 31	Yearly	To Date	Non Fatal	Fatal	Total
1957	369	281	281			
1958	1,433	1,668	1,949			
1959	2,690	2,780	4,729			
1960	4,160	10,917	15,646	118	36	154
1961	3,784	15,267	30,913	104	22	126
1962	3,527	15.082	45,995	109	17	126
1963	3,050	20.387	66,382	103	15	118
1964	3,200	18,652	85,034	103	14	117
1965	3,075	17,577	102,611	100	11	111
1966	2,500	19,342	121,953	117	13	130
1967**	2,850	16,349	138,302	97	13	110

CAUSES OF ACCIDENTS IN 1966 INTENTIONAL DISCHARGE:	%age of Total
Victim mistaken for game Victim out of sight of shooter Victim covered by shooter swinging on game Victim moved into line of fire	12 17 3 5
Sub-total	37
UNINTENTIONAL DISCHARGE:	
Shooter tripped or stumbled Trigger caught on brush, clothing, etc Defective weapon "Horseplay"	16 8 6 3
Loading and Unloading	5 3 2 2 2 2 14
UNKNOWN. Sub-total	61

### WORKMEN'S COMPENSATION in years ending March 31st.

	Fire	Tree	Junior		No.	Average
YEAR	Fighting	Planting	Rangers	TOTAL	of	per
	Cost*	Cost*	Cost*	COST	Claims	Claim
						0 200 2111
1944	\$	\$	\$	\$ 12,850	98	\$
1945				14,540	120	
				,		
1946				14,249	129	
1947				21,560	182	
1949				35,989	494	
1950				50,989	501	
1930				30,707	301	• • •
1951				43,951	394	
1952				54,158	368	
1953						65
				51,169	417	
1954	• • • • •			64,693	494	78
1955				63,357	455	69
1956				106,962	910	78
1957				85,159	588	80
1958				101,376	727	77
1959				132,572	874	98
1960				150,709	687	139
				· ·		
1961				130,210	649	106
1962	16,531			120,384	771	91
1963	10,595	27,225	4,178	171,802	640	158
1964	14,538	22,271	7,780	152,913	773	103
1965	7,408	17,655	6,499	126,266	656	96
2700	7,.00	2,000	0,.//	2,200,200	000	, ,
1966	2 422	11 292	2 490	144,673	567	118
	2,433	11,382	2,489			159
1967	3,083	19,026	9,396	171,315	588	139

<sup>\*</sup>Compensation, Medical Aid and Expenses of all staff, both regular and casual, employed on program.

ILLUSTRATED PUBLIC LECTURES in years ending March 31st.

Average Attendance	102 80 77 72 68	288 80 83 76 76	78	84
Tota1	2,134,956 254,680 289,604 233,179 233,279	316,457 286,518 272,665 275,008 253,064	240,768 239,467	5,342,177
DANCE OFA*	580,714 56,394 68,758 68,832 40,430 61.056	48,756 58,442 46,860 42,267 15,915	19,721 29,965	1,138,110
ATTENDANCE Public O	797,858 107,746 127,174 97,334 124,703 158,682	187,686 164,119 165,017 159,968 145,965	120,492	2,484,857
School	756,384 90,540 93,672 67,013 68,146	80,015 63,957 60,788 72,773 91,184	100,555	1,719,210
Tota1	20,920 3,181 3,645 3,218 3,436 4,293	4,625 3,747 3,411 3,370 3,334	3,082	63,907
MEETINGS lic OFA*	3,995 703 674 538 409 484	401 406 374 398 220	1,069	9,968
MEE' Public	9,177 1,402 1,710 1,708 2,196 2,715	3,198 2,533 2,266 2,095 2,165	1,694	34,649
School	1,076 1,076 1,261 831 1,094	1,026 808 771 877 949	1,091	17,8470
YEAR	1946-55 1956 1957 1958 1960	1961 1962 1963 1964	1967	

\*Lectures given by Ontario Forestry Association.

		O'N'	KMATION	AND EDUC	INFORMATION AND EDUCATION SERVICES	VICES				WAREHOUSE SHIPMEN	SHIPMENTS	
Years	No. Titles	35 mm.	Photo	:	*Letters of	ADVERTISEMENT	EMENTS	*	Tons	PRINTEL	PRINTED MATERIAL	
31st		Colour	Prints	Exhibi-	Enquiry	Adminis-	Conser-	PUBLI-	-ddng		Parks	Publi-
March		Slides	Loaned	tions	Answered	tration	vation	CATIONS	lies	Licences	Permits	cations

Publi- cations			1,941,819	1,155,151 1,196,414 1,442,523 1,918,841 2,211,227
Parks Permits	701,450		271,600 300,000 300,000	689,000 825,900 1,000,850 1,057,730 1,125,725
Licences	701,450	802,900 868,300 910,480 1,005,000 1,055,299	1,120,654 1,154,000 1,212,920 1,279,067 1,260,917	1,363,712 1,392,043 1,432,902 1,542,810 1,581,980
Supp- lies	150	170 175 176 200 470	488 350 218 377	308 253 247 246
CATIONS	53 72 72	72 55 72 87	84 92 109 116 133	136 169 84 102 109
1	57	39 36 45 45	52335	50 50 50 50
Adminis- Consertration vation	508 130 60	127 57 74 57 103	99 112 93 139 140	50 52 150 178 161
Enquiry	4,200 6,900 7,700 8,065	7,200 8,100 9,000 7,000	8,400 10,800 14,600 21,010 26,000	29,200 30,000 30,300 32,000
tions	13 13 38	64 44 75 75	75 75 75	75 75 75
Loaned	1,800	1,800 2,100 1,800 3,500	4,500 6,000 9,200 9,000	9,000 9,000 9,200 9,200
Colour	• • • • • • • • • • • • • • • • • • •	750	1,000 1,500 1,500 1,800 1,900	3,000 3,000 3,800 3,800
Films	55 57 58 67 58 67	38 56 73 89 119	159 178 208 226 226	234 250 260 260 255
March	1947 1958 1949 1950	1951 1952 1953 1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964
		11	9	

2,082,753 2,281,501

1,669,084 1,058,325 1,756,000 851,800

217

116

30

146

34,500

75

9,500

4,200

255

1966

<sup>\*\*</sup>Technical publications not included after 1962. \*Information supplied by mail.

### LANDS AND FORESTS PUBLICATIONS

FIGH AND WILDLIEF

as of December 31, 1967. (Technical papers and management reports are not included.)

Code

T. 44	TION THE WILDER E	
2 3 4	Commercial Fishing in Ontario Landlocked Sea Lamprey Summary of the Ontario Regulations which apply to Trap and Fur Dealing	ping
5 6 7 8 9 11 12 15 16	Fur in Ontario Meet the Wildlife of Ontario's Outdoors Fishing in Lake Simcoe The Game and Fish Act and the Ontario Fishery Regulations Summary of the Ontario Fishery Regulations Summary of the Ontario Big Game Hunting Seasons Summary of the Ontario Hunting Regulations Ontario Snakes Fishes of Ontario	\$0.35 1.00 ons
OR	OUTDOOR RECREATION	
1 2 6 7 8 9	The Ontario Outdoorsman's Manual	0.25
PP	PROVINCIAL PARKS	
1 2 3 4 5 7 8	Provincial Parks of Ontario Algonquin Provincial Park Canoe RoutesAlgonquin Canoe RoutesQuetico Quetico Provincial Park Canoe RoutesNorth Georgian Bay Recreational Reserv Sibbald Memorial Museum	e
F	FORESTS	
2 3 5 6 7 8 10 11 12	Hardwood Trees of Ontario with Bark Characteristics The Forest Resources of Ontario Common Trees Forestry Assistance to Private Landowners in Ontario Planning for Tree Planting Care and Planting of Forest Trees Manual of Seed Collecting Farm Forestry Service for You The Crown Timber Act, etc.	0.50

### FOREST PROTECTION

- 1 Our Forests Are Burning
- Tower Jack

FP

3 The Forest Fires Prevention Act

### FOREST INDUSTRY FI

- 1 Lumber in Ontario
- 5 Directory of Primary Wood-Using Industries in Ontario
- 6 Manual of Scaling Instructions
- The Loggers' Safety Act

### LW LAND AND WATER

- 3 Ontario Resources Atlas (maps in colour) . .
- Summer Cottage Lands in Ontario
- 5 Price List of Lithographed Maps and Plans

### A ADMINISTRATION

- 1 Annual Report of the Minister of Lands and Forests:
- Part I, detailed; Part II, Highlights. A Statistical Reference of Lands and Forests Administration
- 3 Ontario Forest Technical School (Information brochure) 4 Ontario Junior Forest Ranger Programme
- 5 List of Publications for Distribution

### HISTORY H

1	Algonquin Story	\$ :	2.50
3	Indians of Ontario		1,00
4	Early Days in Haliburton	- 5	2.50
	Early Days (Air Service)		
	Fifty Years of Reforestation in Ontario	(	0.50
	H.M.S. Nancy and the War of 1812		

2.50

8 Arrayed-in-Wampum.....

FDI	H FOREST	DIST	RICT HISTORIES	3	
2 3 4 5 6 7	Kapuskasing Geraldton Lake Huron Port Arthur White River Sioux Lookout Lake Simcoe Fort Frances	10 11 12 13 14 15	Lake Erie Kenora Gogama Parry Sound North Bay Cochrane Swastika Chapleau	18 19 20 21	Kemptville Lindsay Tweed Sault Ste. Marie Sudbury Pembroke

RENEWING NATURE'S WEALTH, a Centennial History of the Public Management of Lands, Forests and Wildlife in Ontario, was published by the Department of Lands and Forests in 1967 It may be purchased at \$9.50 per copy at book stores or from the distributors: Copp Clark Publishing Company, 517 Wellington Street West, Toronto 2B, Ontario.

NEW POLICIES
,

NEW POLICIES

### PARKS BRANCH

The objectives of Parks Branch are as follows.

- To reserve areas and establish Provincial Parks to accommodate existing and anticipated demands of recreational and educational activities usually associated with the natural environment; and to preserve important or unusual features of natural or historical significance.
- To preserve the natural and historical environment by permitting only those activities that will not alter the basic environment for which the park was intended.
- To promote in park visitors an appreciation of park environment and an inspirational enjoyment of nature.

The Division of Parks was established on October 1, 1954, with the late W.B. Greenwood as Chief. It was renamed Parks Branch in 1959.

- A.B. Wheatley was appointed Chief on April 1, 1961.
- D.R. Wilson was Chief from May 1, 1965, until January 1, 1967, when he was appointed Director of the Southern Region.
- P. Addison, formerly Regional Forester, was appointed Chief on January 1, 1967.

In 1965, Parks Branch was enlarged and re-organized into three sections.

In 1967, the responsibility of establishing, operating and maintaining Access Points, Wilderness Areas, Canoe Routes and Hiking Trails was transferred from Lands and Surveys Branch to Parks Branch.

Waterfowl hunting and pheasant junting on a put-and-take basis are provided in certain parks and are well received by the public. Waterfowl hunting is provided in Darlington, Holiday Beach, Long Point, Presqu'ile and Rondeau parks. Pheasant hunting is provided at Darlington, Earl Rowe, Presqu'ile and Sibbald Point parks.

Moose and deer hunting are permitted in Bruton and Clyde townships in Algonquin park and in Lake Superior park.

To extend the use of provincial parks, facilities for skating have been provided in Darlington park; for tobogganing in Kap-Kig-Iwan park; and for skating, skiing, and tobogganing in Pinery park.

During 1967, 94 provincial parks were in operation, providing an area of approximately 3,800,000 acres for public recreational use. Six new parks are scheduled to be opened in 1968.

### PARKS BRANCH

Chief: P. ADDISON

### RECREATIONAL PLANNING

Supervisor: J.W. Keenan

Long Range Planning for Parks and Related Public Recreational Areas and Activities

### PARKS PLANNING AND DEVELOPMENT

Supervisor: R.H. Hambly

Detailed Master Plans for Parks and Control of All Park Development According to Approved Design

### PARK MANAGEMENT

Supervisor: W.G. Cleaveley

Establishment and Control of Standards of Park Operations, and Supervision of Operating Expenditures and Revenue

Establishment, Operation and Maintenance of Interpretive Programs (Museums, Exhibit Centres, Publications, Illustrated talks and Conducted Trips)

Establishment, Operation and Maintenance of Canoe Routes, Hiking Trails, Access Points and Wilderness Areas

Secretary to

ONTARIO PARKS INTEGRATION BOARD

C.R. Tilt

### PUBLIC USE OF PROVINCIAL PARKS

Year	Camper- Days	Campers	Wilder- ness Campers	Vehicles	Total Visitors
1957		116,000		629,666	2,114,661
1958	******	196,000	16,309	927,871	3,232,460
1959	******	340,000	50,403	1,420,180	5,127,199
1960		421,000	35,778	1,552,662	5,692,978
1961		613,000	57,992	1,725,876	6,215,370
1962		750,000	46,753	2,182,363	7,820,994
1963		840,491	49,372	2,373,223	8,526,443
1964	******	916,281	49,112	2,537,483	9,147,218
1965	2,495,284	902,472	53,653	2,437,988	8,875,668
2700	4,170,201	,02,112	00,000	2,107,700	0,070,000
1966	2,653,055	994,787	52,722	2,738,664	9,791,671
1967	2,805,123	1,155,091	49,957	2,817,362	10,192,533

### ATTENDANCE AT INTERPRETIVE PROGRAMS

Year	Parks	Exhibits Museums	Labelled Trails	Conducted Trips	Films Lectures	Total
1946 1947 1948 1950	1 1 1 1	3,436 5,917 6,854	6,173	363	1,230	3,436 5,917 6,854 7,766
1951 1952 1953 1954 1955	1 2 2 3 3	200 53,843 72,889 75,711	5,390 14,341 12,761 18,920 25,388	413 752 952 1,353 1,927	2,343 3,017 6,311 9,714 8,444	8,146 18,310 73,867 102,826 111,470
1956 1957 1958 1959 1960	5 6 6 8 9	91,246 119,200 146,681 216,672 298,129	23,125 26,855 40,617 38,771 46,679	2,015 2,824 3,973 5,782 6,958	10,727 12,709 17,589 23,988 24,296	127,113 161,588 208,860 286,213 376,062
1961 1962 1963 1964 1965	8 12 11 12 19	311,291 374,475 371,275 390,792 326,298	46,955 55,553 61,647 80,815 81,462	7,104 9,748 10,949 10,458 10,515	29,626 47,641 51,143 49,235 51,639	394,976 487,417 495,014 531,300 469,914
1966 1967	21 23	392,403 384,666	88,004 117,009	11,453 20,421	53,161 57,754	545,021 579,850
			1967 ATTENI	DANCE		
Presqu	u'ile	.282,861 . 24,000 . 26,878	94,234 3,345	4,892 937 915	24,839 9,021 1,931	406,826 37,303 29,724
Inveri Sibbal	y huron ld Poin	. 18,707 t 16,500	2,888	3,545  751	9,400  3,042	19,795 18,707 16,500 15,101
Sibley Lake S	ear V Superior Parks.	r	3,800 660 500 11,582	8,420 595 366	2,670 1,501 5,350	12,220 3,925 2,367 17,382

### GROWTH OF PROVINCIAL PARKS

The first eight Provincial Parks were established as follows:
Algonquin in 1893; Rondeau, 1894; Quetico, 1909; Long Point, 1921; Presqu'ile, 1922; Ipperwash, 1938; and Lake Superior and Sibley in 1944. In the seven years following the formation of Parks Branch in 1954, sixty-nine new parks were opened to the public to give a total of 77 parks in operation in 1961.

YEAR	CAN Parks	IPING Units	RESEI No.	RVE AREAS Acreage	PROV.	INCIAL PARKS
	Tains	Ollits	110.	Acreage	110.	Acreage
1961	68	10,591	18	201,826	77	3,465,973
1962	72	12,745	14	190,225	81	3,481,158
1963	74	13,951	27	270,503	86	3,696,368
1964	76	14,622	50	559,502	88	3,711,464
1965	80	15,427	55	437,338	89	3,742,160
1966	81	15,922	60	513,112	92	3,747,267
1967	83	16,201	61	530,780	94	3,756,255

## 94 PROVINCIAL PARKS IN OPERATION IN 1967

Total	3,277	21,158 56,408	25,878 26,502 75,102	14,467 14,166 50,986 62,317 41,373	29,029	15,592	122,934 189,136 102,259 62,099
Campers	2,581	2,624	5,836 2,228 8,720	4,512 2,942 4,063 24,766 13,867	4,430	2,457	14,972 14,527 13,977 7,317
Camper- Days	6,572	13,331	10,683 5,480 21,996	7,888 4,509 10,584 30,731 15,208	14,896	9,713	26,476 35,607 43,108 9,207
Camp Units	87	95 •	92 100 135	168 33 54 174 90	143	80	251 186 197 28
Under	Reg. 251/58	117/63	0. Reg. 204/60 order-in-Council	204/60 204/60 117/63 117/63 346/65	Reg. 144/57	117/63	117/63 117/63 117/63 204/60
Authority Under Which Established	0. Reg.	Reg.	0. Reg. 204/60 order-in-Counci	X X X X X X X X X X X X X X X X X X X		X X X e &	Regs.
. 12		00:		00000	, 0.	00	0000
hed	1958	1963	1960	1960 1960 1963 1963 1965	1957	1963	1963 1963 1963 1960
Date Established	Sep 29,	21,	Jul 22,	22, 22, 21, 21,	25,	21,	21; 21; 22;
国	Sep	May May	Jul	Jul Jul May May Dec	Jun	May Jun	May May May Jul
Area (Acres)	1,010	10,970 2,417 2,860	246 2,711 1,148,800	3,353 210 200 1,422 8,150	3,010	11,878 6,654	396 170 78 13
District Park	CHAPLEAU Five Mile Lake	COCHRANE Greenwater Kettle Lakes	FORT FRANCES Caliper Lake Lake of the Woods	GERALDTON Blacksand Klotz Lake MacLeod Rainbow Falls	Ivanhoe	KAPUSKASING Nagagamisis Remi Lake KEMPTVILLE	Fitzroy Rideau River Silver Lake South Nation
				22			

58,013 135,366 22,708 29,266 25,991 98,737 82,420 117,164 98,272 36,271 97,592 109,719 614 181 395 896 135,538 82,520 221,003 270,505 112,646 85,840 1,025,677 60,161 67 186 122 65 12,581 5,716 4,433 8,530 2,112 4,183 16,402 18,065 61,645 5,101 38,389 14,608 14,617 18,707 12,281 7,762 16,654 3,359 14,716 28,519 15,844 14,583 34,610 9,048 16,164 4,198 10,093 109,417 67,328 225,876 8,524 119,949 28,568 344 027 321 183 46,396 5,598 27,469 86,463 32,306 39, 70 20 56 266 327 075 47 474 170 324 146 215 156 40 100 725 180 0. Reg. 117/63 0. Reg. 254/58 0rder-in-Council (Act-See Above) 0. Reg. 229/57 1, 0. Reg. 144/57 (Act-See Above) 0. Reg. 70/59 0. Reg. 117/63 144/57 346/65 161/64 117/63 42/58 2551/58 Reg. Reg. Reg. Reg. 0000000

District Park	Area (Acres)	Date Established	Authority Under Which Established	Camp Units	Camper- Days	Campers	Visitors
LINDSAY							
Darlington	380	30,	0. Reg. 253/59	300	50,419	40.073	206,367
Emily	157	25,	0. Reg. 144/57	212	43,351	15,334	149, 108
Mark S. Burnham	100	Jul 21, 1955	0. Reg. 148/55				15,402
Presqu'ile	2,170	18,	(Act-see Above)	200	87,655	61,903	239,925
Serpent Mounds	20	25,	0. Reg. 144/57	130	43,219	14,575	124,173
Balsam Lake	1,040			200	29,872	11,663	69,69
Ferris	152		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				
NORTH BAY							
Antoine	23			c	6	1 104	, , ,
Fin lowcon Doint	2 5	• • •	00000000000000000000000000000000000000	330	2,497	1,604	3,244
Morton Divor	1 024	May 21, 1903	0. Keg. 11//05	136	20,576	8,785	79,242
MALCH ALVELONOON	1,004	6.1.7	0. Keg. 11//03	234	32,022	14,182	16,527
Samuel de Champlain	2,220	• • • • • • • • •	• • • • • • • •	224	27,441	19,426	94,595
PARRY SOUND							
Grundy Lake	6.310	Apr 21, 1959	0. Beg. 70/50	405	01 000	000 00	175 413
Osetlor Taba	40	COLT STE TAIL		200	74,007	72,000	210,011
Ville Deine	2000			154	45,419	15,345	156,389
Allibear Fointssssss	3,000			834	150,125	28, 139	312,312
MIKISEW	66	29,	Reg.	157	27,352	6,677	55 ,375
Sturgeon Bay	20	22,	Reg.	87	21,842	6,142	24,751
Restoule	1,417	May 21, 1963	0. Reg. 117/63	258	15,778	3,607	28,086
Arrowhead	1,880	0 0		102	9,859	4,288	16,437
PEMBROKE							
Alyonguinessa	1.862.400	May 27 1803	(Act-coc About	1 274	104	300 00	E42 211
one la	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1070 F 1070	(act_see above)	1,001	4/1,174	000,000	110,040
Dei Som Lanconono	CI	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		46	10,200	5,109	5,180
Dritwood	655	May 21, 1963	0. Reg. 117/63	86	18,590	10,259	12,425
Bonnechere	252	• • • • • • • • • • • • • • • • • • • •		09	4,239	1.641	7,959
PORT ARTHUR							
Inwood	82	Sep 29, 1958	0. Reg. 251/58		17,647	17,138	26.291
Sibley	57,780	13,	Order-in-Council	180	18,127	9,550	27,368
Makabeka Falls	841	•	•••••••	149	38,129	29,549	363,923
Middle Falls	11	Jul 22, 1960	0. Reg. 204/60	20	4,028	3,734	28,746

88, 183 38,052 145,127	6,475	78,861 95,073 210,131	20,954	69,941 33,685 413,885 75,255 138,808	48,724 127,019 26,257	0,192,533
28,849 37,892 2,980	1,561	12,099 6,033 22,354	3,457	11,878 3,076 25,096 19,719	21,041	1,155,091 10,192,533
37,110 45,877 7,396	7,823	17,908 15,491 24,248 11,869	11,193	23,434 7,782 69,365 56,137	33,584	2,805,123
378	57	132 76 70 60	136	200 60 400	225 84	16,201
Order-in-Council	0. Reg. 117/63	0. Reg. 144/57 0. Reg. 88/59 0. Reg. 183/64	144/57	Reg. 117/63 Reg. 144/57 Reg. 117/63	117/63	16,
Order	0. Reg	0. Reg 0. Reg	0. Reg.	0. Reg. 117/63 0. Reg. 144/57 0. Reg. 117/63	0. Reg. 117/63	
Jan 13, 1944	May 21, 1963	Jun 25, 1957 Apr 4, 1959 Jul 17, 1964	Jun 25, 1957 May 21, 1963	May 21, 1963 Jun 25, 1957 May 21, 1963	May 21, 1963	
710 33 334,000 95,360	1,507 6,130 P	85 J 293 A 239 A 84,350 J	7,680 J	256 J 61 305 M 1,208 M 14,000		5 <sub>8</sub> 255
SAULT STE MARIE Pancake Bay Batchawana Lake Suporior Mississagi	SIOUX LOOKOUT Pakwash Ojibway	Subbukk Fairbank Windy Lake Chures Killarney	SWASTIKA Esker Lakes Kap-Kig-Iwan	TWEED Black Lake Lake on the Mountain Lake St. Peter Outlet Bacch Sandbanks Bon Echo North Beach	RIVER te Lake tanga	101AL 3,756,255

### 61 PROVINCIAL PARK RESERVE AREAS 1967

DISTRICT Reserve Area	AREA (Area)	LOCATIONS
COCHRANE Pierre-Montreuil Long Point Peninsula Dana Lake Otter Rapids	46,000 18,500 6,400 486	McQuibban, Swartman Twps. Lake Abitibi Carscallen, Keefer Twps, Pitt Twp.
FORT FRANCES Warner Lake Sandpoint Island Pow-wow Campgrounds	7,450 1,970 1,730	South of Tanner Twp. Rainy Lake Shoal Lake
GOGAMA Dividing Lake	2,900	Chester, Invergarry Twps.
GERALDTON Purgatory Chutes Steel River Esnagami River Partridge Lake Kama Bay Lukinto Lake	100 2,700 58,000 6,500 1,750 2,250	South of Fernow Twp. Twp. 81 Esnagami, Alpha, Rupert Twps. Legault, Colter Twps. Twps. 88, 89, 91 South of O'Meara Twp.
KAPUSKASING Lake Nagagami Rogers Fushimi Lake	4,085 1,510 26,775	Nagagami Twp. Rogers Twp. Fushimi, Bannerman, Stoddart, Hanlan Twps.
KEMPTVILLE Murphy's Point Charleston Lake Carillon	1,159 885 1,600	North Burgess Twp. Lansdowne Twp. East Hawkesbury Twp.
KENORA Pipestone	3,530	Lake of the Woods
LAKE ERIE Point Burwell Low Point	380 266	Bayham Twp. Dunne Twp.
LAKE HURON Cyprus Lake P.R. Hilborn	1,149 178	St. Edmunds Twp. Waterloo Twp.
LAKE SIMCOE  Matchedash Methodist Point McRae Point Scugog Island Duclos Point	6,200 2,992 162 403 188	Matchedash Twp. Tiny Twp. Mara Twp. Scugog Twp. Georgina Twp.
LINDSAY Red Pine Lake Silent Lake Kawartha Highlands Gull River Wolf Island	6,580 1,857 3,800 20 464	Sherborne, Stanhope Twps. Cardiff Twp. Cavendish, Anstruther Twps. Somerville, Laxton Twps. Harvey Twp.

NORTH BAY Greenwood	23,000	Coleman, Banting, Best Brigstocke Twps.
Mashkinonje	2,543	Haddo Twp.
PARRY SOUND McDonald Bay O'Donnell Point Round Lake	1,100 2,130 24,265	Baxter, Gibson Twps. Freeman Twp. Shawanaga, Ferguson, Burpee Twps.
South Bay Bigwind Lake Shawanaga Basin	3,936 5,400 2,560	Nipissing Twp. Oakley Twp. Shawanaga, Harrison Twps.
PORT ARTHUR Silver Falls Kopka Lake Kashabowie Lake Arrowhead Penn. Inwood Eaglehead Lake Arrow Lake Ouimet Canyon	8,800 89,650 19,130 850 1,000 750 100 510	Dog Lake West side of Lake Nipigon Kashabowie Lake North Light Lake Inwood Twp. Eaglehead Lake Arrow Lake Dorion Twp.
SAULT STE MARIE Aubrey Falls Mashagama Lake	6,000 8,300	Twp. 4D, Mississaugi River Twp. 4E4F
SUDBURY Wahnipitae Lake Halfway Lake	1,300 58,240	Rathbun Twp. Muldrew, Antrim, Athlone, Morse Twps.
SWASTIKA McCann	640	McCann Twp.
TWEED Lake St. Peter Frontenac Wolfe Island	3,408 8,109 490	McClure Twp. Bedford, Loughborough Twps. Wolfe Twp.
WHITE RIVER Kawapitapika Lake Dayohessarah Lake	2,800 36,928	Cecile, Knowles Twps. 66, Cooper, Tedder, Oldum, Hambleton Twps.
TOTAL	530,780	

NEW POLICIES
,

### PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with S.H.C. Parsons as Supervisor; it was named Branch on December 1, 1959.

 $A.\,\mathrm{J.}$  Herridge was appointed Supervisor on July 20, 1966, and Chief on August 1, 1966.

J.M. Taylor was appointed Chief on January 1, 1967.

The objectives of Personnel Branch are as follows.

- 1. To provide adequate, competent staff for the Department.
- To encourage good job performance through a career concept based on promotion, in-service academic and technical training, and up-to-date position classification.

Personnel Branch is divided into five sections with duties and responsibilities as follows,

EMPLOYMENT: Recruitment of staff, including Junior Forest Rangers; recruiting activities at universities and technical schools; job advertising; transfers and promotions; establishment and complement control.

CLASSIFICATION AND JOB EVALUATION: Identification of positions; analyses recommendations of classes; preparation of position specifications and organization charts; salary surveys; and assignment of qualified employees to positions.

TRAINING AND SPECIAL ASSIGNMENTS: Department training courses; arranging for employees to attend courses given by outside agencies; liaison with Ontario Forest Technical School and Educational Leave Committee; processing of employee grievances; and special assignments.

EMPLOYEE RELATIONS: Counselling of employees; improvement of communications between field and head office staffs; investigations of problems relating to personnel; liaison with Staff Relations Branch, Treasury Board and Civil Service Association of Ontario.

OFFICE MANAGEMENT: Personnel and attendance reports; leave-of-absence recommendations; processing of nominations; separations; group insurance; merit increases; accelerated increases and salary revisions.

Discontinued From Reg & Prob Staff

		Reg-	Probat-	Mon-	*Cas-				
	Year	ular	ionary	thly	ual	Total	**Age	Misc.	Total
-									
	1943	304	218		339	861			
	1944	310	268		397	975			
	1945	324	305	• •	929	1,558	• • • • • • • • • • • • • • • • • • • •		
	1740	0.21	000	• • •	/ 4/	1,000	• •	• • •	•••
	1946	373	318		573	1,264			
	1947	523	562		527	1,612			
	1949	1,167	196		562	1,925		• •	
	1950	1,352	157		580	2,089	• •	• •	• •
	1951	1,420	141		701	2,262	28	99	127
	1952	1,441	181		790	2,412	17	122	139
	1953	1,518	158	• •	680	2,356	19	96	115
	1954	1,546	175		633	2,354	34	95	129
	1955	1,618	142	• •	727	2,487	23	94	117
	1000		100				2.1	705	101
	1956	1,611	180	• •	655	2,446	36	135	171
	1957	1,583	175		929	2,687	31	137	168
	1958	1,685	134	• •	3,209	5,028	26	69	95
	1959	1,759	113	• •	2,750	4,622	34	58	92
	1960	1,946	90	• •	1,224	3,260	44	73	117
	1961	2,096	121	320	1 724	4,271	38	55	93
	1962	2,348	189	44		3,640	44	79	123
	1963	2,368	181	40	701	3,290	58	97	155
	1964	2,337	207	36	650	3,230	72	111	183
	1965	2,309	193	24		3,151	49	244	293
	1700	4,009	173	44	0.23	0,101	77	277	473
	1966	2,281	225		985	3,491	39	142	181
	1967	2,270	297	• •		3,344	35	157	192
		,		, -		,			

<sup>\*</sup>Groups I, II and III. Does not include extra fire fighters or tree planters.

<sup>\*\*</sup>Retirements, superannuations and deaths.

ON STAFF

### NUMBER OF PROFESSIONAL EMPLOYEES

with University degrees in years ending March 31st

Licensed Scalers	Ranger School Grads	Year	Forest- ers	Biolo- gists	Civil Engrs	Others	Total
• • •		1943	56			19	75
		1944	45			13	58
		1945	54	• •	• •	29	83
		1946	55			14	69
		1947					
		1949	85	18	2	10	115
	• • •	1950	123	20	4	10	157
343	237	1951	147	25	3	12	187
356	257	1952	158	26	5	16	205
381	293	1953	166	33	5	16	220
391	331	1954	172	36	6	23	237
392	379	1955	174	39	5	26	244
404	425	1956	139	34	6	27	206
429	461	1957	182	34	6	27	249
459	504	1958	181	40	6	24	251
495	533	1959	193	41	10	22	266
578	575	1960	189	43	10	25	267
710	639	1961	218	53	10	24	305
725	703	1962	231	68	7	40	346
733	733	1963	233	66	7	44	350
770	741	1964	220	70	7	33	330
787	768	1965	226	69	7	27	329
815	925	1966	222	72	7	27	328
835	1,217	1967	235	80	5	55	375

### SUMMARY OF CLASSIFICATIONS

Permanent and Probationary staff as of July 31, 1967

GROUPS	Head Office	Field	Total
Agricultural Technicians	2 34	3 8	5 42
Biologists	12	48	60
Cartographers	4	• •	4
Clerks	131	219	350
Communications Technicians	9	17	26
Computer Programmer	3		3
Conservation Officers Construction Superintendents.	8	245	253
Cooks and Food Service	6	3 4	3 10
cooks and rood service	0	**	10
Departmental Accountants	19	25	44
Draughtsmen	42	* *	42
Drivers Economists	5 3	10	15 3
Engineering Staff	3	• •	3
	3	• •	3
Executive Officers	14	1	15
Fish Culturists	* *	15	15
Forestry Technicians	48 10	124 674	172 684
Highway Equipment Operators	10	18	18
mightay Equipment operators.	••	10	10
Inspector of Surveys	6		6
Instructors	9		9
Legal Officers	3	• •	3
Machine Operators	23 11	(2	23
maintenance Stair	11	63	74
Mechanics	• •	47	47
Miscellaneous Staff	21	• •	21
Parks and Land Planners Personnel Officers	4 9	• •	4
Pilots	19	20	9 39
***************************************	17	20	37
Photographers	3		3
Public Relations Officers	5	• •	5
Radio Operators	3 5	20	23
Rangers	18	180 11	185 29
	10	11	27
Research Supervisors	3	2	5
Safety Instruction Officers	1.2	10	10
Section Supervisors* *Senior Administrative Officer	13 s 12	26	13 38
Stationary Engineers	5 12	6	11
		9	4.1

### SUMMARY OF CLASSIFICATIONS (Continued)

Permanent and Probationary Staff as of July 31, 1967. GROUPS Head Office Field Total Stenographic Staff..... Systems and Procedures Officers Technician Equipment Development Technician Laboratory..... Technician Photographic..... Total:..... Class 7 Class 6 Class 5 FORESTRY Class 4 TECHNICIANS Class 3 Class 2 Class 1 Class 7 Class 6 Class 5 CONSERVATION Class 4 OFFICERS Class 3 

Class 2

Class 1

*Assistant Deputy Minister.	1
Regional Directors	3
Branch Chiefs	10
Director Ontario Forest	
Technical School	1
Regional Forester	1
District Foresters	22

1958	35 24 14 59 36	35 35 36	34 46 13 46	24	564
1957	888 888 888 888 888	28 11 35 35	13 13 13 51	39	550
1956	39 39 16 27 27	33 10 38 46	48 24 75 111 76	43	614
1955	46 45 45 45 43	4 · 4 · 4 · 4 · 4 · 4 · 4 · 4 · 4 · 4 ·	€ 6 · 4 1 × 6 · 4	11 26 42	557
1954	35	32 10 29 38 20	42 111 60 19	31 32 28	524
1953	26 36 15 25	21 25 30 15	35 21 23 23 23	27 29 23	403
1952	23 26 10 21	12 22 12 12	322	24 22 22	312
1951	15 21 10 12	112	32 20 20 14 4	24 115 111	242
1950	14 25 10 15	11 11 15 27 18	20 20 16	32	289
1949	255	10 12 26 19	22.5	28 19	237
1948	:::::::	231 8	20 13 20 20	21	148
1947	:::::	128	29	: 0 :	92
1946		175	12 10 15	:::	59
1945	:::::	133	100		40
1944	:::::	100		:::	21
DISTRICT	Chapleau Cochrane Fort Frances Geraldton	Kapuskasing Kenora Lindsay North Bay	Pembroke Port Arthur Sault Ste. Marie Sioux Lookout Sudbury	Swastika Tweed	TOTAL

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

	1961	120	771	0 0	7 0 7	911	0	7.6	69	82	23	115		134	70	129	135	2	ì	100	139	110	00		1,675
	1966	123	000	2 1	200	917	0	0 1	000	0 0	24	113		136	69	130	136	)					89		1,658
	1965	134	09	0 4	115	CTT	27	000	1 0	41	• 6	121	6	139	70	135	141		7	140	140	113	94		1,551
	1964	124	67	42	113	1	67	72	4	2	- 20	011	200	101	0 ,	137	136		49	138	117	077	93		,519
	1963	112	57	40	94		26	62	30		73	2	0 2	2 5	1/1	132	119		47	113	0	0 0	20	000	081 1,300 1,519 1,551
,	1962	80	33	24	55		35	39	13	1	34	5	u	2 6	3 0	20	65		23	22	40	2 1	4.1	7 107	1 190
	1961	69	36	12	09		47	36	12		36		46	2 6	3 6	50	64		•	48	4.8	1 0	4/	610	610
0	1960	36	25	12	46		37	36	13	•	26	)	36	24	, ,	+7	20	,	13	49	24		00	502	
0	6661	37	24	23	64		39	40	26	•	30		37	34	30	2 /	00	8	15	39	26	0 7	<u> </u>	503	
DISTRICT	CONTROL	Chapleau	Cocntane	Fort Frances	Geraldton		Gogama	Kapuskasing	Kenora	Lake Huron			Parry Sound	Pembroke	Port ArtHur.	Soul + C+o Manie	Saute Stee Maile.	Siony Lockent	STORY POOKOUT.	Sudbury	Swastika	White River	443	TOTAL	
											1	135	0												

# LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

(Areas are given in square miles	ADMI	ADMINISTRATIVE DISTRICT	RICT		FIRE DISTRICT	
as of May 29, 1967	Land	Water	Total	Land	Water	Total
Chapleau	6,380	640	7,020	6,380	640	7.020
Cochrane	62,522	5,660	68,182	54,026	4,061	58,087
Fort Frances	5,820	1,379	7,199	5,820	1,379	7,199
Geraldton	35,543	6,807	45,350	35,543	9,807	45,350
Gogama	5,931	446	6,377	5,931	446	6,377
Kapuskasing	17.776	750	18 526	A77 71	750	10 536
Kemptville	5,632	313	5,945	266	31	070,01
Kenora	9,173	3,000	12,173	9,173	3.000	12,173
Lake Erie	6,905	6,142	13,047			
Lake Huron	8,860	6,486	15,346	723	22	745
Lake Simcoe	4.710	1,444	6,154	22.8	10	247
Lindsay	5,097	1,692	6,789	2.718	232	2.950
North Bay	4,969	887	5,856	4.969	887	5,856
Parry Sound	5,552	3,031	8,583	5,552	3,031	8,583
Pembroke	4,765	410	5,175	4,749	409	5,158
Port Arthur	16,933	3.067	20,000	16.933	3.067	20.000
Sault Ste. Marie	8,066	3,380	11,446	7,923	3,321	11,244
Sioux Lookout	103,392	10,610	114,002	67,778	7,512	75,290

136

7,781 5,561 4,776 9,451	313,001
1,243 291 311 3,051	43, 510
6,538 5,270 4,465 6,400	269,491
11,960 5,561 8,440 9,451	*412,582
4,298 291 1,706 3,051	68,490
7,662 5,270 6,734 6,400	344,092
Sudbury Swastika Tweed	TOTAL

<sup>\*</sup>Total area of Ontario in square miles.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1.593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest known point in Ontario is Ogidaki Mountain. Township 24, Range 12, Algoma District, elevation 2, 183 feet above mean sea level.

### (SEE MAP OF DISTRICTS, PAGE 141)

### ASSISTANT DEPUTY MINISTER R.D.K. ACHESON

### REGIONAL DIRECTORS

L. RINGHAM-----NORTHWESTERN

Forestry Building,

14 North Algoma Street.

Port Arthur. Telephone 345-6543

Area Code: 807

A.J. HERRIDGE----NORTHEASTERN

> 174 Douglas Street. Sudbury.

Telephone 673-1111 Area Code: 705

D. R. WILSON-----SOUTHERN

R. R. 2,

Maple.

Telephone Toronto 884-8141

Area Code: 416

### REGIONAL FORESTER

T.W. HUESTON----SOUTH-CENTRAL

> Box 1598, Huntsville.

Winter Telephone: 789-7121 Summer Telephone: 633-5572

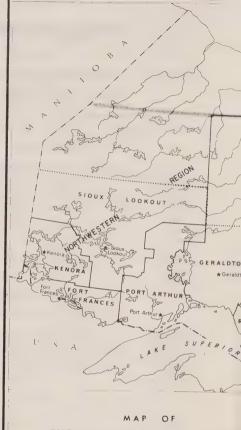
Algonquin Provincial Park

Area Code: 705

### CHAPLEAU FOREST DISTRICT

Area Code: 705	Telephone
OFFICE: 34 Birch Street, Chapleau	rs 864-1711 rs 864-1712
District Forester*A. H. Peacock	864-1122
SUPERVISORS	
Accounts L. Lingenfelter Fish and Wildlife V. Crichton Biologist R. Lewies Forest Protection *J.E. Anderson Lands W.E. MacPhail Parks W.E. MacPhail Timber *C.R. Groves Scaling	864-1710 . 864-1231 . 864-1843 . 864-1146 . 864-1146
CHIEF RANGERS	
Chapleau*L.T. Cecile86 Biscotasing	
DEPUTY CHIEF RANGERS	
Chapleau         F.R. Bergin         86           Chapleau         L.G. Woods         86           Chapleau         G.F. McAuley         86           Chapleau         H.G. Kohls         86           Sultan         G. Dingee         86           Missanabie         R. H. Dunne         86	54-1710(1685) 64-1710(1535) 64-1710(0108) 875(862)
NURSERY	
Chapleau M.E. Hawkins 86	34-1717(1547)
PROVINCIAL PARKS	
Five Mile Lake	864-1710

The Shoals ...... 864-1710



MAP OF
THE PROVINCE OF ONTARIO
SHOWING

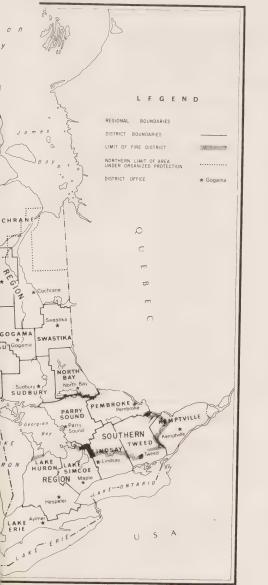
ADMINISTRATIVE

DISTRICTS and REGIONS

OF THE

ONTARIO
DEPARTMENT OF LANDS AND FOR

Feb 27, 1966



### COCHRANE FOREST DISTRICT Area Code: 705

Telephone

OFFICE: 140 Fourth Avenu	e, Cochrane 272-4365
District Forester	*L. H. Eckel 272-4365(5056)
S	UPERVISORS
Accounts Fish and Wildlife Forest Protection Assistant Lands Parks Timber Scaling	F.W. Barnes. 272-4365 (4796) S. Nodwell 272-4365 (4869) *G.P. Elliott 272-4365 (4492) *D. O'Grady 272-4365 H.E. Wright 272-4365 (5207) D.E. Stewart 272-4365 (5233) J.R. McKnight 272-4365 (4503) J.H. Butts 272-4365 (5291)
Cochrane	*A.C. Hutchinson 272-4892(5326) A.F. Papineau 264-1262(1678) R. Woodall Iroquois Falls 258-3415 (3414) Y CHIEF RANGERS
Cochrane	W. R. Doyon 272-4892(4130)
Cochrane	W.J. Froude Frederickhouse 1r2
Cochrane	A.E. Ross
Timmins	K.G. Wiskin 264-1262(281-3314)
Timmins	E. Everley 264-1262(5086)
Timmins	R.H. Wagner 264-1262(2669)
Smooth Rock Falls Moosonee	R.G. Clermont 338-2771(2614) R.G. Clermont 336-2241(2549)
	VINCIAL PARKS
Greenwater	

Charles Island ...... Moosonee 336-2241

<sup>\*</sup>Duty Officers.

### FORT FRANCES FOREST DISTRICT

OKEST DISTRICT	
	Telephone fice Home
Frances 274	-5337
A. Balkwill 274	-5337 274-6293
RVISORS	
gostini 274- 5 274- ady 274- wn 274- 15 274-	.5337 274-9406 .5337 274-6695 .5337 274-6616 .5337 274-9818 .5337 274-3991 .5337 274-3991 .5337 274-9419
ANGERS	
rphy 274. k	-5337 274-5704 6850 28568
EF RANGERS	
perts 274- meney 274- liska	5337 274-6522 5337 274-5680 5337 274-6534 6850 28562 3801 852-3360
DRESTER	
	2188 6266
ed Lake 484- Gregor 488-	-2181 484-5362 -5531 274-3764
	6850 28563
	Ode: 807  Off Frances 274 A. Balkwill 274 RVISORS  ylor 274- ady 274- ady 274- ady 274- ady 274- at 27

### GERALDTON FOREST DISTRICT

phone
-1030
-1121
-1030 -1030 -1030 -0466 -1030 -1030 -1030
-1600 -2351 1r2 83 80
-1600 -1600 -2351 -2351 1 R 2 1 R 2 83 80

### PROVINCIAL PARKS

Blacksand	J.P. King MacDiarmid 1r2
Klotz Lake	R. W. Koski Longlac 876-2351
MacLeod Lake	P. Bellavance Geraldton 854-1600
Neys	B. J. Lapenskie Schreiber 83
Rainbow Falls	B.J. LapenskieSchreiber 83

<sup>\*</sup> Duty Officers.

### GOGAMA FOREST DISTRICT

	Area Code: 705	Tele	phone
		Office	Home
OTITION T. A	a	0.0	
OFFICE: Low Avenue,	Gogama	96	
District Forester	I. B. Earl	96	37
	SUPERVISORS		
Accounts	J. D. Petrony	96	106
Fish and Wildlife		96	
Forest Protection		96	
Lands and Parks	E. N. Arbuckle	96	186
Timber	*L.J. Forcier	96	98
Scaling	E. Dew	96	7
CHIEF RANGERS			
Gogama	*C. Dionne	84	94
Foleyet	*J.R. Languerand	98	70
DEPUTY CHIEF RANGERS			
Gogama	R.A. Carrière	84	148
Gogama	R. A. Beauchamp	84	60
Gogama	D. S. Stewart	84	137
Foleyet	*W. E. Belisle	98	62
Foleyet	J. E. L. Morin	98	89
Foleyet	G. H. Herron	98	154
PR	OVINCIAL PARK		
Ivanhoe	J.R. Languerand Foleyet	98	70

<sup>\*</sup>Duty Officers.

### KAPUSKASING FOREST DISTRICT

Area	Code: 705 (807)	Telephone
OFFICE: 5 Government Roa	d, Kapuskasing (705)	335-2231
District Forester	*D. A. Fawcett	335-5503
st	JPERVISORS	
Accounts Fish and Wildlife Forest Protection Lands Parks Timber Scaling	R. W. E. Stone M. R. Cusson *J. L. Canfield *A. J. McGoey A. J. McGoey *J. W. Lloyd. V. M. Silver	335-3360 335-2438 335-4154 335-5062 335-5062 335-3886 335-5664
CHIEF RANGERS		
Kapuskasing	J.H. Clavelle	335-2187 362-4356 125
Kapuskasing	J.A. Millette	335-5414 362-4346
PROVINCIAL PARKS		
Nagagamisis Remi Lake	C.A. McDonaldHornep J.L. Sigouin	

### \*Duty Officers

### KEMPTVILLE FOREST DISTRICT

Area	Code: 613	Telephone
OFFICE: Provincial Government	ent Bldg., Kemptville Nights, Holidays (Direct Line from He	258-2298
District Forester	*W.H. Charlton	258-2304
SUP	ERVISORS	
Accounts Sr. Conservation Officer Forest Protection Lands Parks Timber	F. S. Bumstead D. O. Sylvester *D. D. White D. D. White *E. A. Green *P. E. Anslow	258-2483 258-2280 258-2780 258-2780 258-3209 258-2408
DEPU	TY CHIEF RANGER	
Lanark	D. Kennedy Carleton Place	257-1615
ZON	IE FORESTERS	
Kemptville  Kemptville  Kemptville  Alexandria  Lanark	M. Schaefer  Merrickville A.J. Campbell C.F. Coons B. Warwick M. Millar	269-3352 258-2523 258-2705 525-2443 259-2108
ľ	NURSERY	
Kemptville	*H.H. de Vries	258-2323
PROV	TNCIAL PARKS	
Fitzroy Rideau River Silver Lake South Nation Murphy's Point Carillon	F.W. Irwin Arnprior J.R. Uens Kemptville C. Dawson Mat Plantagenet	258-2817 perly 9r31 673-5072

<sup>\*</sup>Duty Officers

### KENORA FOREST DISTRICT

	Area Code: 807	Telepho	
		Office	Home
OFFICE: 936 Park Street,	Kenora	468-9841	
District Forester*K.K	. Irizawa	468-9841	468-6223
	SUPERVISORS		
Fish and Wildlife D. M. Forest Protection *H. F. Lands J. A. Parks H. J. Timber *R. J	McChesney  M. Brooks.  L. Redding  Wynd  Featherston  Burgar  Mackey.	468-9841 468-9841 468-9841 468-9841 468-9841 468-9841	468-8190 468-9174 468-7548 548-4094 468-5450 468-9137 547-2347
CI	HIEF RANGERS		
	Minor	468-6600 223-2341	468-8177 223-6644
DEPUT	Y CHIEF RANGER	S	
Kenora         W.           Kenora         A. V.           Kenora         J. W.           Kenora         H. F.           Minaki         R. J.           Dryden         M.           Dryden         W.           Dryden         A. J.           Dryden         R. S.           Stoux Narrows         H. J.	Neculeac  Neculeac  Neculeac  Neculeac  Nulssh  Endress  Little  Little  Lifrenette  Hansson  Likincaid  Michigan  M	468-6600 468-6600 468-6600 468-6600 8 223-2341 223-2341 227-2660 226-5668 223-2341 180 227-2660	468-8177 468-9691 468-5106 468-7478 547-2437 
PRO	OVINCIAL PARKS		
Blue Lake M. Rushing River C.1	L. Frenette L. Frenette R. Biggar R. Biggar	938-6312 227-2601 548-9902	937-5386 937-5386 468-8177 468-8177

<sup>\*</sup>Duty Officers

# LAKE ERIE FOREST DISTRICT Area Code: 519 (416)

OFFICE: 353 Talbot Street West, Aylmer West

District Forester... W.B.M. Clarke .....

Telephone

773-9284

Aylmer (519) 773-9241

SUPERVISO	DRS	
Fish and Wildlife R.M. Christie Lands and Parks *K.A. Camero	a	773-8253 773-3375 773-9828 773-3252
MANAGEMENT FO	ORESTERS	
London J.A. Fingland Dunnville D.A. Scott	(416) Home (416)	438-7126 774-5811 774-5359
FARM FOREST	ER	
Aylmer E.G. Wilson Hom	e, St. Thomas	773-9241 631-2713
NURSERY		
St. Williams W.E. Edward	s Home	586-3863 586-2042
RESEARCH ST	ATION	
Fisheries Research Station Dr. R.G.		825-4171 825-4360
FISH HATCH	ERY	
Normandale Fish Hatchery J.W. Ander	rson Simcoe Home	426-3142 426-5671
PROVINCIAL PA	ARKS	
Ipperwash. J.A. Matheson Clay Creek J.A. Matheson Long Point T.L. Beck Pinery M.F. Jackson	Amherstburg h Thedford h Thedford Port Rowan Thedford e. Aylmer West	736-3772 296-4652 296-4652 586-2133 296-4462 773-9241
and Selkirk P.A. Strassbu	Selkirk (416)	776-6597
St. Williams St. Williams N	Ridgetown Ridgetown ursery, Pt. Rowan r Simcoe Wheatley	674-2137 674-2137 586-3863 426-3239 825-4761
*Duty Officers 149		

#### LAKE HURON FOREST DISTRICT

Area	Code: 519	Telephone	
OFFICE: Beaverdale Road, He	speler (Direct Line from He		
District Forester F	L. Hall	623-3723	
SUPER	RVISORS		
Fish and Wildlife	I.W. Makcrow D.R. Johnston V.D. Mansell D.W. Jordan	658-4015 653-9976 824-6125 822-1967	
ZONE FORESTERS			
Hespeler (Guelph Zone) V Stratford F Owen Sound (Bruce County)	G.H. Murchison V.J. Lovering Janser I.P. VanBers V.W. Fisk	589-4005 821-2967 271-0823 376-4190 376-9391	
FARM FÖRESTER			
Hespeler F	R.C.A. Gilbert	621-9383	
PROVINCIAL PARKS			
Inverhuron	Collingwood G.E. Brown Tiverton C.E. Bates Goderich H.H. Siegrist Hepworth	445-4467 69r6 524-7124 935-2354	

# LAKE SIMCOE FOREST DISTRICT

Area Code: 416 (519, 705)	Telephone
OFFICE: R.R. 2, Maple Richmond Hill (4)	6) 884-8141 884-8142
District Forester*A.W. Leman ext 21	8(884-1787)
SUPERVISORS	
Accounts         G. C. Bragg.           Fish and Wildlife         R. H. Trotter           Biologist.         A. A. Walnio           Lands         W. M. Mitchell           Parks         H. V. Berg.           Timber.         F. C. Robinson         ext 221           Forest Protection         *F. C. Robinson         ext 221	ext 211
ZONE FORESTERS	
Maple       *J. D. Griffiths       ext 220         Orangeville	(473-5852) (941-4370) () 449-5312
FARM FORESTER	
Maple *R. N. Staley ext 21:	3(727-5919)
UNIT FORESTER	
SRMU, Coldwater E.G. Gillespie(705)	686-3342
DEPUTY CHIEF RANGER	
Severn H. D. Cochrane(705)	686-3342
TREE SEED PLANT	
Angus J.M. Halpenny (705)	449-5311
NURSERY	
Midhurst J. M. Halpenny(705)	728-2846
PROVINCIAL PARKS	
Bass Lake         R. G. Ellis         (705)           Devils Glen         L. W. O'Dell         (705)           Earl Rowe         W. Braden         (705)           Mara         705           Sibbald Point         J. T. Linklater         (416)           Six Mile Lake         B. W. Whalen         (705)           Springwater         C. D. Jackson         (705)           Wasaga Beach         L. W. O'Dell         (705)	326-7054 429-2516 435-7291 326-4451 722-5182 686-3342 728-7393 429-2516
,	

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# LINDSAY FOREST DISTRICT

LINDSAT FOREST DISTRICT
Area Code: 705 Telephone
OFFICE: Ontario Government Building, 322 Kent Street West, Lindsay
SUPERVISORS
Accounts       H. C. Wallwin       324-6121 L6         Fish and Wildlife       *P. W. Swanson       324-6121 L26         Forest Protection       *B. B. Benson       324-6121 L12         Lands       *G. Simons       324-6121 L14         Parks       *P. R. Davidson       324-6121 L10         Timber       *R. A. Lockhart       324-6121 L9         Scaling       *W. E. Everett       324-6121 L8
CHIEF RANGERS
Minden P. J. Cassidy
DEPUTY CHIEF RANGERS
Minden         M. J. O'Neill         219W           Gooderham         H. N. Bates         Haliburton 300w4           Apsley         J. M. Scott         656-4361           Haliburton         S. A. Shields         387W
UNIT FORESTERS
Lindsay.       A. P. Matiece       324-6121         Lindsay.       B. G. Cross       324-6121         Orono.       L. J. Haas         Brighton.       R. W. Tippett       475-2204
FARM FORESTER
Lindsay P. H. Rennick 324-6121
NURSERY
Orono W.R. Bunting 983-9147
HATCHERIES
Codrington (Fish)G. GroondahlBrighton 475-2512Codrington (Pheasant)E. R. MoundBrighton 475-0692Deer Lake (Fish)J. M. HuntHavelock 778-3391
PROVINCIAL PARKS
Emily         R. J. White         Omemee 799-5170           Balsam Lake         Coboconk 454-3252           Darlington         J. A. Robertson         Oshawa 723-4341           Presqu'ile         R. W. Tippett (Acting) Brighton 475-2204           Serpent Mounds         Keene 295-6666

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\*Duty Officers.

# NORTH BAY FOREST DISTRICT

Area Code: 705	Telephone		
OFFICE: Northland Trust Building, 222 McIntyre Street West, North Bay (Direct line from I	474-5550 Head Office)		
District Forester *W.L. Sleeman	474-7606		
SUPERVISORS			
Accounts J.E. Rogers Fish and Wildlife A.S. Holder Callander Forest Protection *F.M. Miller Lands W.G. Turnbull Parks A.D. Tremblay Timber *D.E. Honeyborne Scaling R.E. Chornopski	472-8426 752-3477 474-5716 472-1744 474-5712 474-8493		
CHIEF RANGERS			
North Bay *H.N. Whalen Temagami J.E. Rumney	474- <b>5</b> 645 569-2231		
DEPUTY CHIEF RANGERS			
North Bay, Headquarters J.A. Bedard North Bay, Fire. *R.H. Smith North Bay, Timber T.M. McCormick. Champlain. C.H. Laberge Mattawa Marten River H.J. Edmundson. Haddo Monetville Temagami E.E. Lafleur Latchford Temagami, Fire. H.G. Smith Temagami, Headquarters F.E. Cannon Temagami, Lands R.V. Coulombe	472-6056 472-8192 472-4487 744-2276 8r3 898-2441 45 569-8481 569-3591 569-6211		
PROVINCIAL PARKS			
Antoine	744-2251 569-6368		
Marten River H.J. Edmundson Samuel de Champlain C.H. Laberge Mattawa	8r3 744-2276		
FISH HATCHERY			
Balsam Creek	663-2688		

\*Duty Officers

# PARRY SOUND FOREST DISTRICT

Aura	C-1- POP	Malaukaua	
Area	Code: 705	Telephone	
OFFICE: 4 Miller Street, Pa	arry Sound	746-2141	
District Forester	M. A. Adamson	746-2839	
SUP	ERVISORS		
Sr. Conservation Officer Biologist	G. F. Walter  *C. W. Douglas  *J. A. Macfie  J. Zimmerman  *D. Burns  T. H. Croswell  W. R. Peck  W. A. Perrin  A. J. Tracy	746-8622 746-8330 746-8668 746-2672 746-5513 746-8808 746-2479	
CHIEI	RANGERS		
Powassan Bracebridge	*J.A. Shalla746 J.L. Hamill724 J.A. Simpson645-4081	-2640(2837)	
DEFUTT	MEF RANGERS		
Parry Sound Powassan Bracebridge Ardbeg Dorset Byng Inlet (Britt) Loring	J. M. McEwen . McKe E.R. Brooks. Trout Creel J. Mathews	723-5361 645-2238 1 746-9881 -2212(2253) -2361(2361)	
UNIT 1	FORESTERS		
Parry Sound	J. Strickland	724-2908	
PROVINCIAL PARKS			
Grundy Lake Killbear Point Mikisew Oastler Lake Restoule Sturgeon Bay Arrowhead *Duty Officers.	F. Irwin Britt R. Brookland Nobel A. White South River G. McRoberts Orrville J. Graham Golden Valley H. Tigert Pointe au Baril A. Rand Huntsville	342-5492 386-2271 378-2202 729-5707 366-2281	

# PEMBROKE FOREST DISTRICT

Area	Code: 613 (705)	Telephone
OFFICE: 162 Agnes Street,	Pembroke (613) Duty Officers	
District Forester	*F. E. Sider	735-5718
ST	UPERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Construction Scaling CHI	G. N. McGeachy H. E. Deedo. M. L. Wilton *L. Bronson J. Orme J. E. Collard *J.R. Oatway J. A. Hindman J. H. Bingley EF RANGERS	732-3661 732-3661 732-3661 732-3661 732-3661 732-4042 732-3661
Pembroke	*R.N. Cousineau 732 H.W. Hanes(705) F. Mitchell Y CHIEF RANGERS	637-2780
Pembroke Pembroke Whitney Whitney Whitney Whitney Stonecliffe Schecliffe Achray Achray Kook Round Lake	M. I. Mantifel. D. F. Palubiski M. L. Doney (705) W. A. Lentz (705) S. E. Cameron (705) K. H. Moore (705) R. C. Bilsborrow J. J. Kuiack A. E. Prange J. R. Mask W. D. Christie C. R. Buske Kille	732-3664 637-2780 637-2780 637-2780 637-2780 586-2604 586-2604
UNI		
Pembroke	C.R. Gray	732-3661 732-3661
PRO	VINCIAL PARKS	
	Barry's Stonecliffe HATCHERY	Bay 131J3 e 586-2371
Pembroke	W.T. Marston. Petawawa	687-5935
*Duty Officers.		

# PORT ARTHUR FOREST DISTRICT

Area Code: 807	Telephone	
OFFICE: 14 North Algoma Street, Port Arthur (Direct Line from District Forester *G.A. Hamilton	Head Office)	
SUPERVISORS		
Accounts. J. D. Chadwick Fish and Wildlife C.A. Elsey Biologist. H. R. Timmerman Forest Protection *F. M. Dodds Assistant *J. Russell Lands W. H. Jarvis Parks. E. Diamond Timber J. F. Flowers Scaling A. G. Strey.	345-6543 344-0501 344-4968 344-5417 344-7721 345-6543 345-6543 345-6543	
CHIEF RANGERS		
Port Arthur         *S.O. Russell           Armstrong         A.A. Gordon           Shebandowan         G.C. Murray	344-8157 42 926-2861	
DEPUTY CHIEF RANGERS		
Port Arthur         V. Hansen           Armstrong         A. Van Rooyen           Armstrong         R.D. Killer           Shebandowan         G. J. Frenette           Fort William         N.J. Small           Upsala         J. Monteith           Nipigon         A. Martin		
NURSERY		
Fort William	577-3011	
PROVINCIAL PARKS		
Inwood A. Van Eck Kakabeka Falls G. Whitefield Middle Falls T. Hill Pigeon Sibley E. Murphy	577-1641 River 1r23	

<sup>\*</sup>Duty Officers.

# SAULT STE, MARIE FOREST DISTRICT

Area Code: 70	Telephone	
· ·		
SUPERVISO		
SUPERVISC	AS	
Fish and Wildlife R. G. B Biologist. C. H. O Forest Protection *W.H. F Fire Duty Officer *K. T. F Forest Research A. G. G Fisheries Research C. A. L	urray 254-3847 alley 254-4711 lver 254-5781 forman 949-3572 uller 256-5342 ordon 254-5342 ewis 253-3442 mall 253-6933	
Timber *W.C. S	Bruce Mines 785-3458 tevens 253-8397 254-1685	
CHIEF RANG	GERS	
Blind River J. A. Ho	regonning 253-3478 appe 356-7166 fontgomery Wawa 856-4278	
DEPUTY CHIEF	RANGERS	
Sault Ste. Marie         L. J. P.           Blind River         J. R. M           Blind River         H. J. St           Kirkwood         D. W. F.           Kirkwood         I. E. Se           Kirkwood         C. W. St           Red Rock         G. N. G           Pancake Bay         R. H. G           Mount Lake         G. R. M           Ranger Lake         A. R. M           Elliot Lake         C. J. O           Agawa         F. E. S	ell 254-1774 Igeon 253-1952 orin 356-7641 oneman 356-2655 temphill Thessalon 842-5783 abrook Thessalon 842-5783 abrook Thessalon 842-5643 ibson Wawa 856-7051 emmill Batchawana 2317 turray Iron Bridge 8r2 teClelland Desbarats 782-6704 sborne 848-2741 enecal Wawa, Agawa Bay 312 aughan, Echo Bay 3782	
KIRKWOOD MANAGEMENT FOREST		
Little Rapids, Thessalon R.J. Ly	ynn 842-2610	
PROVINCIAL	PARKS	
Lake Superior F. E. Se Mississagi C. J. Os	emmill, Batchawana 2317 enecal Wawa, Agawa Bay 312 sborne Elliot Lake 848-2741 emmill, Batchawana 2317	

\*Duty Officers

#### SIOUX LOOKOUT FOREST DISTRICT

Ar	ea Code: 807	Telephone
District Forester	Sioux Lookout	737-1140 737-2261 737-3620
	UPERVISORS	101-0020
Accounts Fish & Wildlife Biologist Biologist Forest Protection Lands & Parks Timber Management Forester Management Forester Management Forester Scaling	D. W. Munch C. E. Perrie D. A. Hagan G. L. Penney *E. W. Bouchey E. Fraehlich J. A. Waddell E. D. Berry J. Pohanka J. H. Sellers K. A. Alexander	737-2892 737-1562 737-3459 737-3742 737-3622 737-2953 737-1456 737-3792 737-1530 737-1033 737-1530
CHI	EF RANGERS	
Stoux Lookout	G. M. Fenelon	475(22) 3111(4302)
DEPUTY	CHIEF RANGERS	
Sioux Lookout Sioux Lookout Sioux Lookout Sioux Lookout Red Lake Red Lake Red Lake Pickle Lake Ignace Ear Falls	G. A. Baverstock 737 C. W. Clark 737 R. J. Landry 737 S. A. Sprager 737 A. R. Larson L. T. Anderson R. Schroeder I. Lawson D. R. Fortner W. G. Davenport	-1140 (30 99) -1140 (2146) -1140 (1779) . 475 (755) 475 (352) 475 3111 (3471) 934-2233
PROV	INCIAL PARKS	
PakwashOjibway	R. Williams	

Sandbar Lake ..... F.R. Nicoll.....

<sup>\*</sup>Duty Officers.

#### SUDBURY FOREST DISTRICT

	Area Code: 70	5 '	Telephone
	OFFICE: 174 Douglas Street, Sudbury . (Dir	ect line from He	673-1111 ead Office)
	District Forester *G.A. McCo	ormack	675-1624
	SUPERVISORS		
	Fish and Wildlife C. F. Bibby Biologist . G. E. Thom Forest Protection *L. G. Ridsc Fire Control Officer . *W. A. Hum Lands . A. S. Curri Parks . L. R. Dave Timber . H. Henry .	ngs 7 pson iill phrey y	673-1973 675-7815 673-1111 675-6660 969-4910 566-0889 673-1012 566-0248 566-0392
	CHIEF RANGER	S	
	Skead V.E. Brag	gon	673-7458 969-2361 869-1973
	DEPUTY CHIEF RAN	IGERS	
	Sudbury G. Van Hor Skead D. R. Hand Skead U. A. Pentt Skead A. T. Prou Espanola F. Noble Espanola W. Piche Massey E. A. Hans	cn	897-5143 675-5815 969-4019 969-2400 969-2503 869-1569 869-1675 844-2880 966-2315
		on	857-2004
PROVINCIAL PARKS			
	Fairbank	sonSpanish	
	Windy Lake D. H. Kohls	· · · · · · · · · · · · · · · · · · ·	966-2315

<sup>\*</sup>Duty Officers

# SWASTIKA FOREST DISTRICT

	Area Code: 705	Telephone
OFFICE: Swastika	Swastika	642-3222
District Forester	*S.R. HamiltonKirkland Lake	567-4659
	SUPERVISORS	
Accounts Fish and Wildlife Biologist Forest Protection Lands Parks Timber Scaling	H. Michiel Kirkland Lake D. Waldriff Kirkland Lake J. F. Gardner Swastika *W.G. Taylor J. M. McDougall Kirkland Lake H. Mattson Kirkland Lake G. Brown Kirkland Lake F. Thib Englehart	567-7548 568-8712 642-3489  567-4732 567-4054 567-6983 544-2136
	CHIEF RANGERS	
Swastika	*L.E. St. Pierre 642-3211 N.B. Pigeon G.O. Koistinen	119(1416)
DI	EPUTY CHIEF RANGERS	
Swastika West Swastika East	E.C. Borden 642- M.C. Mitchell Englehart	3211 (3420) 642-3211 544-7619
Matheson West Matheson East Elk Lake Matachewan Englehart Larder Lake	B. H. Milburn G. Cahill W. E. Bond D. W. Butler L. J. Wickware W. B. Hill	119 119(179) 28(53) 28(93) 2331 (2452)
	NURSERY	
Swastika	K.H. Reese Kirkland Lake	642-3339 567-9121
FISH HATCHERY		
Hill Lake	P. Graf Englehart	544-2834
	PROVINCIAL PARKS	
Esker Lakes Kap-Kig-Iwan	O. Ranta Swastika Kirkland Lake R. L. Hack Englehart 544-2	567-6760

<sup>\*</sup>Duty Officers

#### TWEED FOREST DISTRICT

 OFFICE: Metcalfe Street, Tweed
 478-2330

 District Forester
 \*N.D. Patrick
 478-2425

 SUPERVISORS

Area Code: 613

Telephone

Accounts.         J.A. Vance         478-3022           Fish and Wildlife         R.E. Whitfield         478-2513           Biologist         W.F. Cheshire         478-3437           Forest Protection         *B.T. Dunne         478-2906           Lands         L.G. Rowson         478-2527           Parks         *W.H. Cantelon         478-3111           Timber         *C.J. Heeney         478-3211           Scaling         W.F. Caverley         478-6512           Surveyor         D.E. Norris         478-2736
CHILI MATCHIO
Tweed.     J. J. Shalla.     478-2338 (2641)       Dacre.     G.M. Samells. 649-2418 (432-2602)       Bancroft     O. Goodman     47(989)       Napanee.     E.W. Ferguson     354-3389 (3083)
DEPUTY CHIEF RANGERS
Tweed         D. Mumford         478-2338 (2208)           Dacre         J. J. Windle         .649-2418 (432-5256)           Bancroft         E. Card         47(298)           Bancroft         J. I. McKenzie         47(526)           White Lake         H. E. Clark         335-2115 (198)           Plevna         W. Gorr         479-2268 (5520)           Palmer Rapids         R. Musclow         758-2020 (2724)
ZONE FORESTERS
Tweed         W.W. Hiscock .478-2330 (473-2538)           Dacre         W.H. Collins .649-2418 (432-5537)           Bancroft         F. Walker .47(404)           Napanee         E. Edson . 354-3389 (Bath 91)
FISH HATCHERY
White Lake K.L. Steele 335-2115 (2074)
FISHERIES RESEARCH STATION
Glenora W.J. Christie 476-2400 (3014) Picton
PROVINCIAL PARKS
(198)   Black Lake
161

#### WHITE RIVER FOREST DISTRICT

Area Code: 705	Telephone
OFFICE: 200 Winnipeg Street, White River	822-2250
District Forester W.D. Tieman(Acting	
SUPERVISORS	
Accounts         W.C. Johnstone           Fish and Wildlife         E.A. Pozzo.           Biologist         T. G. Harrison           Forest Protection         *W.Kitt           Lands and Parks         J.J. Sargent           Timber         *W.D. Tieman           Scaling         J. E. Hamilton	822-2252 (2506) 822-2250 (2544) 822-2250 (2408) 822-2250 (2188) 822-2250 (2218) 822-2250 (2306) 822-2250 (2157)
CHIEF RANGERS	
White River *B. Petman Wawa J.C. MacDonald	822-2253 (2523) 856-2445 (2155)
DEPUTY CHIEF RANGERS	
White River D.D. Plumley. White River I. Riives. Wawa C.R. Petrosky Wawa J.C. Schreiber Franz J. Milis Manitouwadge M.P. Barker. White Lake Park	149(38) 822-2253 (2596) 856-2120 (7132) 2216 856-3225 1-R-11
UNIT FORESTERS	
White River R.G. Klein Wawa B.I. Thompson	186(248) 856-2445
PROVINCIAL PARKS	

1-R-11 856-2445

White Lake......Obatanga.....

<sup>\*</sup>Duty Officers

#### THE ONTARIO FOREST TECHNICAL SCHOOL

Į.	Area Code: 705	Telephone
DORSET		766-2242
Director	R.W. Hummel B.Sc.F., Dipl. Res. Man.	766-2333
Accountant	W. Chambers Mino E. Hayward M. McCallum	den 514r23 766-2304 766-2242 766-2237
	FACULTY	
Head, Forestry Section; Drafting, Silviculture, Ce and other courses		789-2336
	B.Sc.F., R.P.F.	100-2000
Head, Fish and Wildlife Sect; Fish and Wildlife, English, Certificate	J. A. Simpson Gravenhurst B. Sc. F., R. P. F.	687-2519
and other courses	V.B. Collins B.A., M.S.A.	766-2335
Forest Fire Control Training in Ontario	G. D. MacAdam	766-2386
Dendrology, Soils, Forest Protection	E. Goodman	766-2312
Dendrology, Mathematics Road Construction		766-2238
Mensuration, Scaling courses	G.J. Pennock Dwight	635-2953
Mensuration, Utilization, Camp Clerking	J.D. Ryan	766-2336
Surveying, Drafting	W.P. Small	766-2344
First Aid (St. John Ambulance Course)	Reg. N.	766-2237
Forest Pathology, Busine Utilization, University of Toronto Forest		789-5360

<sup>\*</sup>On loan to Sir Sandford Fleming Campus.

NEW POLICIES	
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#### RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research program. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief

R.N. Johnston was appointed Chief on January 1, 1944.

A.P. Leslie was appointed Chief on September 15, 1964, when Mr. Johnston retired. Mr. Leslie retired on November 30, 1967.

The functions and responsibilities of the Research Branch are to provide the management Branches of the Department with useful information, checked for reliability by experiments and tests, concerning reproduction, rates of growth, population changes, and diseases relating to forestry, fisheries and wildlife resources. Separate sections of the Branch work in these three major disciplines. A fourth section, Mechanical Research, develops, improves and tests equipment and instruments to meet the special needs of the Research Branch and other Branches of the Department.

The Southern Research Station, established in 1944, serves as a base headquarters for most of the staff of the Research Branch. However, the majority of the research work undertaken by the researchers based at the Station is conducted in the field. In addition to the staff at the Station, decentralized units of the Branch are established in various parts of the province. For example, the Silvicultural Research Units have headquarters at Port Arthur, Sault Ste. Marie, Dorset and Tweed, as well as at Maple; Great Lakes Fisheries Units are established at South Baymouth, Wheatley and Glenora. Seasonally operated stations are also located in Algonquin Park - for fisheries at Lake Opeongo, for forestry at Swan Lake, and for wildlife near Lake of Two Rivers.

#### FISHERIES SECTION

Studies to determine rates of reproduction, growth and mortality of commercial and game fish, and relation of these to environmental conditions. GREAT LAKES - Research Branch responsible for general research on Lakes Huron, Erie and Ontario; Fisheries Research Board of Canada for Lake Superior, as well as sea lamprey control experiment. GAME FISH - Research units established for study of lake trout, speckled trout, smallmouth bass and walleye. SELECTIVE BREEDING - to obtain brook trout - lake trout hybrid which can survive in presence of sea lampreys. MISCELLANEOUS - Lake productivity unit to classify productive capacity on basis of chemical fertility. Parasites - to identify and assess effects. Limnology (Lake

#### RESEARCH BRANCH

Administrative Officer: E.K.E. DREYER

Special Projects

#### ADMINISTRATION

Budgeting and Accounting, Personnel Equipment, Public Relations Library, Reports

#### FISHERIES SECTION

Supervisor: K. H. LOFTUS

Game Fish: Brook Trout, Lake Trout, Smallmouth Bass, Walleye

Great Lakes! Lake Erie, Lake Huron, Lake Ontario, Lake Superior

Maple Headquarters Units: Limnology, Parasitology, Productivity, Selective Breeding, Technical Studies

#### FORESTRY SECTION

Supervisor: D. H. BURTON

Mensuration, Statistics and Economics Reforestation, Site, Tree Breeding W. Pine Blister Rust, Wood Quality

Field Silviculture Units: Central, Northern, South Central, South Eastern, South Western

#### MECHANICAL SECTION

Acting Supervisor: V.W. McMULLEN

#### WILDLIFE SECTION

Supervisor: R.O. STANDFIELD

Big Game, Predators
Diseases and Parasites, Upland Game and Waterfowl
Furbearers

Study) unit to study physical and chemical characteristics of Great Lakes.

Two examples of recent developments:

KOKANEE. The experimental planting of kokanee, a land-locked variety of sockeye salmon, in the Great Lakes appears headed for success. The Research Branch recommended the introduction of this species in 1964 and chose Lakes Huron and Ontario as experimental planting sites because they appeared suitable in most respects environmentally, and because of the depressed state of their commercial and sport fisheries. One factor considered was that kokanee may be able to flourish under conditions of water enrichment. Four plantings were planned, and the first two plantings of three million eggs each were made in 1964-65 and 1965-66. Assessment of the first planting has shown good growth and survival. Preliminary arrangements are proceeding for an increased supply of eggs, with a view of increasing stocking density.

The large numbers of mature kokanee, returning to the planting areas to spawn, gives a very good promise for the future. The evidence shows that adult kokanee are feeding on alewives. This is a new and promising development in view of the vast number of alewives. Smoking of some of the kokanee, during the spawning run and after they have changed colour, is a new and important development.

SPLAKE. In 1965 an international agreement was made between Canadian and United States agencies to undertake the rehabilitation of Lake Huron by stocking with highly selected splake hybrids rather than with lake trout. It was planned that the Fisheries Section of the Research Branch would allocate highly-selected brood stock to production hatcheries in Ontario and Michigan. The first stock will be ready for planting in 1969 or 1970. This agreement arose out of the success of a breeding program started by the Research Branch in 1957. By 1965 the first small number of adequately selected splake were produced at the Southern Research Station. Additional numbers are in culture and will come through the selection procedures during 1968 and subsequent years.

#### FORESTRY SECTION

SILVICULTURE - studies of forest culture, growth and reproduction of the important tree species and associated vegetation. Research includes studies of logging effects upon forest stands; cultural herbicides and controlled fires, seeding and planting. SITE RESEARCH - evaluation of soil features, climate and nutrients to determine best use, and rate of productivity. TREE BREEDING - selection and breeding of forest tree strains of superior quality and resistance to disease. REFORESTATION (Nursery and Planting Practices) - to assist in solution of nursery problems and the planting and care of plantations. MISCELLANEOUS - Wood Quality; Forest Mensuration, Mathematical Statistics, and Economics; White Pine Blister Rust Reconnaissance Surveys.

Two examples of recent developments:

TUBED SEEDLINGS. The first large-scale planting of tree seedlings grown in tubes is scheduled for 1966. Between 1957 and 1965 the Research Branch developed this new method to supplement, under certain conditions, the planting of nursery-grown trees. One advan-

tage of the tube method is that the seedlings may be planted in the summer months, almost immediately after a requirement arises, as in the case of a forest fire. Another advantage is that tubes may be planted several times faster than nursery seedlings.

In preparation for the 1966 operational planting by the Timber Branch, the Research Branch undertook in 1965 certain refinements of the equipment and methods they had developed in their experiments. The improvements included pre-treatment of seeds to promote uniform and rapid germination, regulation of watering in the special plastic field nurseries to promote best root growth in the  $3 \times 9/16$  inch tubes, fertility and acidity-level ratings to meet different site requirements, and many improvements in the equipment and instruments designed originally as prototypes for research only.

SILVER MAPLE AND COTTONWOOD. The Southwestern Unit of the Forestry Section has been concentrating on the rehabilitation of the forest land in southwestern Ontario much of which is in a derelict condition following improper logging methods in the past and the destruction of the elm by the Dutch elm disease.

In 1965 particular attention was given to the propagation and cultural treatment of silver maple and eastern cottonwood to replace the elm lost. The work included advanced thinning studies of stands of coppice origin, establishment of silver maple and eastern cottonwood on a variety of sites, selection of high-quality specimens (phenotypes), asexual propagation of selected phenotypes by budding, layering and rooting of cuttings, seasonal growth studies of silver maple and correlation of growth with a variety of site factors such as temperature, precipitation, flooding and defoliation.

#### MECHANICAL RESEARCH SECTION

It is the special province of the Mechanical Research Section to design, develop, adapt, modify or construct equipment and instruments to meet the special needs of the Department, especially the Research Branch. Also to test and evaluate equipment and materials, and to provide engineering services as required for the solution of technical problems which arise.

Samples of more recent products:

Further design refinements were made to the Helicopter Aerial Seeder used by the Timber Branch in direct seeding tests. Development was initiated of an adaptation for metered broadcasting of seed and fertilizer from fixed-wing aircraft.

A portable gasoline-powered tree-core borer was designed and constructed to obtain large-diameter cores for experimental wood pulping in connection with the Wood Quality project.

An experimental endurance testing apparatus was constructed for the Fisheries Section to measure water pollution effects on smallmouth bass. Reduced swimming ability against current is indicated. A rotating sand and acid solution power mixer was constructed, to determine the rate of release of nutrients from mineral samples, for use in site research.

A pressure bomb instrument (pressure chamber) was constructed for use in site research to measure sap pressures in twigs and stems, indicative of moisture deficit effects on trees.

A portable battery-operated centrifuge was devised for the Wildlife Research Section for field processing of blood samples taken from upland game.

A device for collecting algae from the water on the beach at Presqu'ile has been designed and a prototype made. A second model has been designed and is being tested,

#### WILDLIFE SECTION

Collects basic information and develops techniques to assist management. BIG GAME-white-tailed deer, deer, moose, woodland caribou. PREDATORS-timber wolves. UPLAND GAME AND WATERFOWL - A survey of Canada geese and other geese was made in the James Bay area during the spring break-up; small game animals, such as pheasants and rabbits, are under continual study. WILDLIFE DISEASES AND PARASITES - identification, frequency, distribution and effects. FURBEARERS - habits, behaviour and environment affecting numbers of such animals as beaver and marten. This survey is carried on annually in the north-western area adjacent to Big Trout Lake and at the Winisk and Severn rivers near their mouths.

Two examples of recent developments:

POLAR BEARS. For the past three years biologists in the Research Branch have been observing polar bears which inhabit the Hudson Bay coast of Ontario during the summer and early autum when the sea is more or less ice-free. In some years there may be more than 80 bears along the shore, most concentrated around Cape Henrietta Maria and some nearby islands. Females den in the muskeg, sometimes over 100 miles from the sea, where they have their cubs in midwinter. There is no open season for polar bears in Ontario as there is as yet little known about their numbers and of the effects that sports hunting would have on them.

MAP OF PATRICIAS. The Wildlife Research Section prepared in 1965 a detailed cover-type map of the Patricia Districts north of latitude 54°. This is the first map of this kind covering this area, and will be useful for many other purposes in addition to wildlife work.

NEW POLICIES

#### TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941 became Timber Management Division under J. F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections-Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

- J.A. Brodie was appointed Director of the Forestry Study Unit established on September 1, 1964, terminated on July 31, 1967.
  - M.B. Morison was appointed Chief on September 1, 1964.

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# TIMBER BRANCH

Chief: M.B. MORISON

#### REFORESTATION SECTION

Supervisor: Q.F. Hess

Tree Production and Distribution Agreement Forest Administration Private Land Forestry

#### SILVICULTURE SECTION

Supervisor: J. Barron

Forest Resources Inventory Silvicultural Operations

#### TIMBER SECTION

Supervisor: J.W. Giles

Management Planning
Sale of Timber
Scaling
Marketing and Forest Economics

Special Projects

#### REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904. Moved to St. Williams in 1908, this nursery transferred to the Department of Lands and Forests in 1912 and became the foundation of the present reforestation programme.

Reforestation Section is responsible for:

- (a) the collection, processing, storing and distribution of sufficient quantities of tree seed to meet the requirements of private and Crown land planting and seeding projects.
- (b) the production and distribution of nursery stock for private demand, for approved Crown projects and for special demand such as Department of Highways roadside plantings.
- (c) the improvement of tree seed of important commercial species through the establishment and development of seed orchards and seed production areas.
- (d) the administration of agreements made between the Minister and Corporations such as Conservation Authorities, Counties and Townships for the management of lands acquired by the Corporations for forestry purposes.
- (e) recommending the payment of grants to Corporations to assist them in the acquisition of lands for agreement forest purposes.
- (f) advising and assisting Counties in the preparation of by-laws to be passed under The Trees Act to control the destruction of trees by cutting, burning or other means.
- (g) an extension service to provide information and advice relative to forestry problems on private lands, and financial assistance in the form of free forestry service in reforestation and woodlands improvement for private landowners entering into agreement with the Minister under The Woodlands Improvement Act.

# FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

PERIOD	NO. OF TREES
1905-1912	1,480,539
1913-1925	13,096,866
1925-1930	46,642,175
1930-1935	51,996,837
1935-1940	67,900,012
1940-1945	57,617,763
1945-1946	13,175,575
1946-1947	12,269,533
1947-1948	13,049,776
1948-1949	17,700,970
1949-1950	19,027,807
1951-1952	20,749,268
1952-1953	24,241,754
1953-1954	23,448,860
1954-1955	25,519,383
1955-1956	28, 351, 483
1956-1957	31, 081, 112
1957-1958	25, 854, 262
1958-1959	33, 414, 110
1959-1960	41, 682, 125
1960-1961	49,833,412
1961-1962	43,194,863
1962-1963	43,767,916
1963-1964	43,922,685
1964-1965	49,484,068
1965-1966	49,019,854
1966-1967	51,712,461
TOTAL:	899,235,469

#### REFORESTATION ESTABLISHMENTS

As at March 31st, 1967

SEED PLANTS	YEAR ESTABLISHED
Angus	1923 1908
FOREST STATIONS	
Chapleau Dryden *Fort William Gogama *Kemptville *Midhurst *Orono Sault Ste. Marie *St. Williams Swastika White River	1956 1958 1946 1956 1946 1922 1922 1956 1908 1958

<sup>\*</sup>Demonstration forests. All forest stations include tree nurseries

NURSERY STOCK Furnished in Year Ended March 31st, 1967

Tree Species	For Use on Private Land	For Use of Ontario	Total
White Pine Red Pine Jack Pine Scotch Pine	1,079,100	7,173,425	8,252,525
	2,628,500	3,881,756	6,510,256
	548,050	9,402,410	m <sub>10</sub> ,150,460
	1,465,425	16,430	1,481,855
White Spruce Black Spruce Norway Spruce Red Spruce	2,099,725	16,312,454	18, 412, 179
	169,175	4,485,134	4, 654, 309
	309,300	33,349	342, 649
	200	240,950	241, 150
White Cedar	458, 425	45,020	503, 445
European Larch	99, 175	2,439	101, 614
Tamarack	30, 950	36,700	67, 650
White Ash	91,060	26,018	117,078
	162,785	30,356	193,141
	83,850	572	84,422
Carolina Poplar	234,050	34, 971	269,021
Black Locust	64,050	2, 050	66,100
Other Species	18,505	115, 208	133,713
TOTAL	9,542,325	41,839,242	e 51,712,461

m-Includes 200,000 furnished for miscellaneous purposes. e- Includes 130,894 for educational or scientific purposes.

. . . .

# TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

TEN-YEAR TOTAL 1957-1967	2,724,000 1,224,956 1,258,525 1,967,125	4,732,175 476,100 5,071,200 1,199,350 467,525	1,293,200 548,225 1,475,200 4,826,550 693,125	1,227,025 1,821,875 3,221,925 2,121,125 408,450	652,325 1,088,900 1,672,550 799,275 973,475
1967	168,025	242,950	155,500	64,000	40,425
	182,050	51,300	58,950	186,600	74,650
	85,925	368,450	176,350	196,500	150,925
	170,825	79,450	251,825	114,950	102,475
	3,000	48,625	36,225	98,700	52,925
1966	182,950	281,150	130,950	85,625	65,425
	108,400	40,000	62,375	161,000	69,025
	110,125	284,975	169,850	256,725	190,825
	218,575	81,650	378,750	182,225	45,175
	7,100	52,550	59,300	70,500	57,300
1965	243,475	271,000	120,250	93,000	71,725
	83,450	22,875	41,625	224,450	110,550
	94,850	480,600	141,450	313,375	162,350
	216,125	65,475	466,950	190,150	65,500
	2,375	56,525	85,350	69,625	87,525
1964	229,525	353,125	107,575	122,925	30,550
	93,350	56,825	26,175	146,900	78,875
	97,025	394,400	135,050	251,400	121,625
	215,850	130,750	260,550	190,800	71,575
	3,500	36,225	76,375	48,175	59,125
1963	266,075	430,525	128,950	114,950	33,875
	99,650	39,600	61,775	153,150	96,075
	94,800	240,750	169,000	389,750	146,225
	223,750	135,450	352,675	205,950	73,400
	60,450	38,525	58,075	42,950	107,975
1962	221,525	425,725	146,325	139,450	49,675
	130,050	58,875	75,525	148,625	134,225
	148,575	257,675	189,800	305,900	125,400
	290,925	96,225	365,625	201,250	105,250
	59,350	26,300	106,725	34,850	96,325
COUNTY OR DISTRICT	Algoma	Dufferin Dundas Durham Elgin Essex	Frontenac	Haliburton Halton Hastings Huron	Kent

473,250 575,075 2,550,200 2,860,600 1,091,350	2,622,175 2,118,100 4,913,025 1,488,675 4,048,925	4,764,150 1,160,650 1,523,115 2,013,350 290,275	1,113,925 3,446,100 936,075 11,229,520 508,975	1,508,475 3,489,105 208,275 1,183,824 2,023,525	1,813,400 3,687,575 2,614,000 6,693,830
30,150 101,600 245,350 138,300 125,800	169,525 114,550 341,850 289,550 302,350	461,425 14,750 184,800 366,700 25,900	166,350 318,225 92,650 665,375 39,700	156,475 521,150 9,350 47,375 191,350	214,250 256,175 207,175 582,525
35,700 3,175 258,450 191,550	211, 300 149, 725 548, 550 102, 575 128, 300	616,075 276,625 138,750 143,050 38,150	79,100 289,525 102,950 1,546,500 20,950	185,250 654,475 15,200 60,700 199,625	224,725 525,900 315,100 786,575
52,650 27,775 240,575 151,600 32,275	230,625 148,700 348,075 203,075 262,325	576,175 77,850 112,650 79,225 49,150	63,175 252,575 139,075 1,326,350 75,500	167,200 682,230 23,900 72,275 218,675	184,225 389,800 284,950 538,700
31,900 21,625 265,275 201,825 84,550	249,325 96,425 342,325 96,900 235,850	376,850 40,750 142,175 63,300 14,525	71,350 288,550 108,250 700,325 56,575	190,325 184,550 19,175 112,400 150,625	259,500 442,800 216,675 613,450
53,050 29,600 287,625 199,850 59,725	273,050 131,900 459,625 101,125 280,225	503,725 64,000 120,700 170,425 24,075	92,800 391,550 5,200 616,525 91,600	134,775 188,750 14,600 135,600 201,200	205,975 197,650 205,350 592,675
79,150 68,600 494,425 271,775 90,975	289,150 354,675 468,675 146,750 339,300	602,925 46,625 128,675 221,025 37,325	146,000 458,150 78,700 821,350 51,375	121,875 315,975 28,075 138,450 181,650	227,275 299,850 257,825 799,000
Lincoln	Norfolk Northumberland Ontario Oxford	Perth	Rainy River	Sudbury Thunder Bay Imiskaming Victoria	Welland

114,793,819

11,312,900 9,542,325

10,791,980

9,597,300

11,505,775

Wentworth Yorkooooooooooo TOTAL

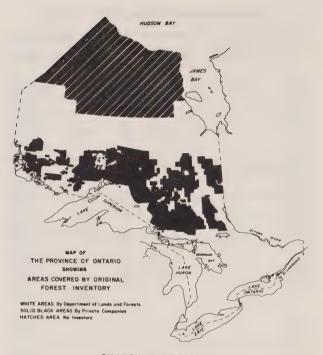
442,800 216,675 613,450 9,016,400

# FOREST AREAS MANAGED BY THE MINISTER as of March 31, 1967

				ER OF ACRES
23 CONSERVATION AUTHORITIES		e of ement	Added during 1966-67	Total
Ausable River . Big Creek Region	Dec. Dec. Dec. Sept.	13, 195 2, 195 19, 196 24, 196	247.00	4,299.00 3,494.90 501.00 195.00
Crowe Valley Ganaraska Region, Grand River Lakehead Region,	Aug. Jan. Mar. May	21, 196 31, 194 18, 195 15, 195	300.00	200.00 8,448.60 5,766.37 1,256.70
Lower Thames Valley	Aug. Apr. Apr. Nov.	12, 1964 1, 1955 11, 1955 28, 195		300.00 949.00 1,928.00 15,570.00
Napanee Valley Niagara Peninsula North Grey Region Otonabee Region	Oct. June June May	28, 1954 6, 1963 25, 1958 15, 1963	686.00	6,666.00 186.00 7,055.00 1,345.00
Otter Creek . Sauble Valley . Saugeen Valley . South Nation River	Apr. Sept. Dec. Mar.	26, 1957 29, 1959 15, 1952 28, 1960	60.00 514.00	1,532.00 2,758.00 12,472.00 1,098.50
Hamilton Region Sydenham Valley Upper Thames River	Oct. July Apr.	19, 1962 13, 1965 11, 1951	*****	12.50 150.00 3,364.36
Sub-Totals			3,566.00	79,547.93
11 TOWNSHIPS				
Bonfield Charlottenburgh Cramahe Cumberland	Apr. Apr. Jan. May	1, 1952 1, 1955 14, 1964 29, 1952	••••	60.00 175.00 162.00 808.44
Darlington Galway & Cavendish, Machar Marlborough	Aug. Nov. Dec. Nov.	19, 1964 1, 1952 30, 1963 21, 1953	****	140.00 619.00 90.00 200.00
Mosa Torbolton Williamsburgh.	July Mar. Oct.	16, 1964 28, 1953 19, 1962	****	144.00 430.80 400.00
Sub-Totals			••••	3,229.24

# FOREST AREAS MANAGED BY THE MINISTER (Continued)

	201	,			ER OF ACRES
24 COUNTIES	Agree		:	Added during 1966-67	Total
BrantBruce	Nov. Jan.		195 <b>2</b> 1950	****	50.00 15,533.35
Carleton	July Nov.	30,	1964 1930	****	680.00 2,305.00
Grey	Dec. Mar.	14,	1937 1950	200.00	8,378.08 1,498.63
Huron Kent	Nov. Dec.	27, 23,	1950 1953		1,439.00 75.39
Lanark Leeds & Grenville. Lennox & Addington Middlesex.	July Apr. Apr. Mar.	24,	1940 1940 1952 1954	200.00 700.00 146.00	3,635.00 8,300.50 1,186.00 1,335.50
Northumberland & DurhamOntarioOxfordPrescott & Russell	June July Sept. Mar.	9, 1,	1924 1930 1950 1937	842.00 582.00 324.00	5,719.00 3,321.00 716.56 23,892.03
Renfrew	Dec. June Sept. Aug.	19, 20,	1951 1925 1949 1928	1,380.00 781.00	8,458.00 20,293.74 2,048.45 8,319.00
Waterloo. Wellington Wentworth York	Apr. June Nov. Mar.	18, 27,	1950 1964 1952 1924	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	710.48 1,100.00 889.30 4,130.70
Sub-Totals				5,155,00	124,014.71
GOVERNMENT OF CANADA					
National Capital Commission	Aug.	16,	1961		3,632.00
TOTALS				8,721.00	210,423.88



# SILVICULTURE SECTION

The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.



A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.

The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By December 31, 1967, approximately 174,818 square miles had been rephotographed, and detailed forest stand data had been obtained on 67,743 square miles.



The program of tree planting, seeding and stand improvement is to maintain the productivity of Crown Lands. Thus a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. In order to expand this program the Department and forest industry companies have signed Regeneration Agreements whereby the use of Company labour, camp facilities and equipment can be utilized in this work. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.



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TEN-YEAR	TOTAL	1081-1081	606,217,2	297,213	114,500	83,000	24.750	2 020 700	2,328,850	193,000	344,800	577,350	1.708.050	51,000	20,	1,017,096	45,	106,276	298,975	1,770,327	686,425	30,000	390,252	7,025	14,536,174	25.750	47,500	27,375	10,000	5,000	92,300	45,000	227,925	225,000	886,950
ch 31st	1961	1/0 095	100,740	11,000		0 0 0 0		28,000	60,300		13,000	22,200	000.000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	57,525	30,000	28,000	36,900	70,250	421,225	0 0 0 0 0	72,450	7,025	1,086,900	4 4 4	4,500		0 0 0 0	5,000			•	0 1	9,500
INCES FLANIED ON FORESTS MANAGED BY THE MINISTER in years ending March	1966	204 650	2000	2,788	0 0 0 0 0		0 0 0 0	96.000	145,500	0 0 0 0	48,200	18,000	184,000		0100	51,326	15,000	55,076	144,975	79,202	51,200	30,000	1,152	0 0 0 0 0	1,127,069	750	33,000	0 0 0 0 0 0	10,000		18,000		20,000	0 10 10 10 10 10 10 10 10 10 10 10 10 10	81,750
	1965	300 000	000100	32,500	36,000	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	24,750	128,000	63,900		127,900	19,300	226,650	21,000	20,000	87,250	0 0 0 0 0	0 0 0 0	2,600	170,975	22,000				1,412,025	•	10,000	2,375	• • • • • • •	•	43,500	45,000	0 0 0 0	20,000	140,875
	1964	135 500	000	27, 1725	46,000	14,000		127,500	101,600		0 0 0	51,100	307,000		• E • C	220,000		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	11,500	185,050	16,000		36,500		1,156,250			• • • • • •				• • • • • • • • • • • • • • • • • • • •	10,000	100.000	110,000
	1963	442.500	415	113,500	32,300	000,40	0 0 0 0	343,000	250,300	40,000	8,400	000,79	217,000	30,000	1000	1/7,1/0	• • • •	1,000	• 6 • 6 • 7 • 7	115,850	71,000	40.000	40,000	0 0 0 0 0	1,965,020	•	•	• • • • • • •	•	• • • • • • •		• • • • • • • • • • • • • • • • • • • •	000,000	000,20	152,550
	1962	270.500	32 500	700000		• • • • • • • • • • • • • • • • • • • •	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	273,500	392,400	80,000	13,000	120,300	242,500	•	214 700	7140100	••••	0000	000,600	423,600	000,621	70 100	10,100	0 0 0 0	2,263,900	•			•		•	17 000	2000	000,00	67,500
	CONSERVATION AUTHORITY	Ausable River	Riv Crook Davion	Cattrich Crook Cilians	Caction Cichonson	Crows Valley	מוסעב ומודבאיייייייייייייייייייייייייייייייייייי	Ganaraska Kegion	Grand River	Lakenead Kegion	Mattally valley	Meiro loronto & Region	Molfa Klver	Niagane Valley	North Gray Pagion	Otonahee Region	Ottor Crook	Souble Weller	Congoon Wolles	South Nation Diser	Sydenham Valley	Unner Thames River	Lower Thames Valley	City wow is	TOWNSHIP	Charlottenburgh	Cramane	Darlington	Mosa	Columbia Company of the control of t	Machar.	Marlborough	Torbolton	Williamsburgh	SUB-TOTAL

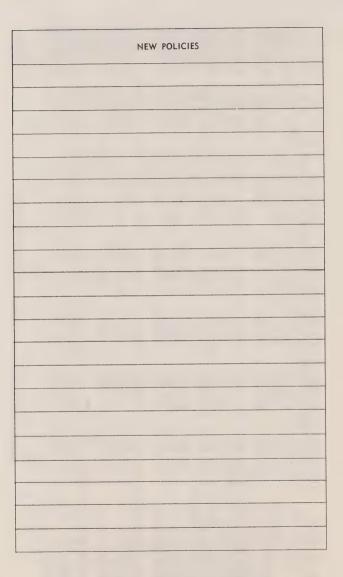
2,619,830	500 674,004 139,000 13,326 1,134,279 222,050 580,105 4,000 826,325 2,323,300 173,175	921,000 307,750 128,150 5,604,473 2,312,850 3,548,400	818,200 1,103,447 182,450 34,950 303,800 358,950	21,951,504
219,550	67,000 3,000 99,450 35,100 537,100 537,700 7,825	18,000 3,050 29,250 228,450 338,400 241,675	14,000 26,200 5,000 6,500 5,000	1,799,400
328,400	30,204 2,200 2,200 36,800 6,000 77,225 177,800 8,500	19,000 39,000 224,500 419,450 214,100	104,750 44,000 5,000 1,000 35,500	3,011,574
541,850	54,900 110,000 3,000 29,950 61,000 25,995 4,000 269,000 269,000 269,000 27,000 27,000 27,000 27,000 27,000 27,000	110,000 4,800 11,000 240,125 420,000 398,425	150,300 44,500 29,950	2,286,565
658,950	35,000 45,300 1,800 98,500 78,000 185,000 185,000 8,000	147,500 8,000 405,365 340,000 540,200	93,650 64,750 4,500 2,500 6,800	2,072,865
721,080	500 19,500 12,600 69,480 21,650 31,100 118,750 118,750 118,760 118,760 30,500	172,000 3,500 10,000 315,800 283,000 349,400	78,000 185,000 11,500 112,000 38,500	2,028,780
150,000	140,700 3,000 213,300 38,700 88,510 34,350 146,700 20,500	136,200 100,600 25,100 239,500 380,000 433,000	196,500 219,250 7,250 ,000 126,800	2,582,460
National Capital Commission	Brant Buce Carleton Carleton Grey Halton Kent Lanark Leeds & Addington Middlesex Middlesex	and number said and Ontario Oxford Prescott & Russell Simcoe	Stringer, Dungas and Glengarry. Victoria. Waterloo. Wellington. Ventworth.	SUB-TOTAL

	TREES	TREES PLANTED ON CROWN LANDS in years ending March 31st	CROWN LANDS	in years ending	March 31st		TEN-YEAR
	1962	1963	1964	1965	1966	1967	1957-1967
1	104,458	145,362	3.401.050	178,490	409,915	354,300	2,585,894
	1,547,250	1,786,000	1,830,000	2,107,400	2,232,000		16,767,13
	418,946	1,204,100	1,201,300	1,511,400	2.031.775		19,360,66
	3,695,525	4.210.925	3,818,975	3,938,300	4,135,125		31,053,72
	15,025	51,000	18,500	41,540	47,800		311,260
	114,406	73,295	1,080,600	87,795	37,075		964,802
	606,987		542,090	846,359	603,500	899,100	6,720,690
	828,806	643,000	849,000		1,644,000	1,614	8,809,513
	1,260,236	1,207,022	364,948	1,628,595	937,255	1,097,	11,007,331
	1,702,275	1,491,800	2,015,000	1,603,000	1,337,600	2,246,500	15,143,67
	211,700	141,200	250,400	590,100	695,500		3.422.99
	1,840,889	1,890,525	1,759,337	2,528,720		2,611,	17,419,044
	4, 144,7U3	4,440,730	1,033,006	/00,006,1	7, 140, 642		18,559,77
	938,010	912,000	1,356,050	1,034,000	693,850	1,138,612	9,785,699
	102,552	79,303		2,643,760	2,555,154		5,581,822
	26,602,720	29,091,021	30,754,175	36,362,906	32,987,264	40,162,050	276,865,691
6.3	31,666,580	33,958,451	34,752,240	40,744,221	35,998,838	43,277,400	316,860,149

STAND IMPROVEMENT ON CROWN LANDS - Acreage treated in years ending March 31st

1967	16,997	35,157	12,620	1,907	888	1,365	6,628	21,132	102,658	
1966	4,127	9,414	6,290 18,494 7,500	634	767**	4,878	16,222	9,173	78,839	
1965	3,793	5,529	7,545 8,728 1,560	3,549	1,074	4,974	19,047	2,463	60,052	
1964	3,802	3,203	9,581 6,165 97	1,973	352	6,655	31 923	664	36,534	
1963	2,307	1,211	6,768 2,595 66	2,286 3,111 Discontinued	1,496	3,182	7,465		32,311	
1962	1,035	2,263	12,053	583 4,870 509	2,810	2,754	1,498	•	32,281	
1961	4,247		5,208	1,158 4,080 706	2,525	2,912	3,328	•	24,628	
1960	8,824	•	1,745	225 76	•	772	406		12,227	
Operations	Scarification and other site preparation	scattering or seeding	Cleaning and clearing Brush Control Prescribed Burning	Thinning Pruning	Improvement Cutting	Poisoning.	Tree Marking	Deer Habitat Improvement	TOTAL 12,227	** includes thinning

includes thinning



#### TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Three types of licences are issued:

- "District Cutting Licences" small, short-term sales which are administered entirely within a particular district.
- (2) "Licences to cut Crown timber" this is the most common type of tendered sale; it runs for an average of three years.
- (3) "Licences to cut Crown timber approved by Order-in-Council" these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

In recent years, some large companies have been guaranteed long-term timber supplies from specific areas by "Volume Agreements". Under this form of tenure, it is the responsibility of the Department to prepare the Forest Management Plan and to select the areas for cutting.

It is the responsibility of the management planning unit to supervise the preparation of plans which will ensure the organization and orderly utilization of Ontario's Crown forests, on a sustained basis. Plans prepared by large companies for the management of their licence holdings, are submitted to this unit for checking and, when satisfied, are recommended for approval. Plans are also prepared by Department staff under the supervision of the management planning unit, for the Crown Management Units for all of the Crown forest areas not covered by company management plans. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in 10 and 20 year periods, a licensee can be shown an assured future wood supply.

The Marketing and Forest Economics Unit carries out detailed economic studies pertaining to forestry and is primarily responsible for assisting in the development of new and expanded forest industry in Ontario. Reports are prepared describing forest industry opportunities in specific localities in the province, in co-operation with other provincial departments and the Federal Government, to provide information for prospective investors in forest products manufacturing.

VOLUME OF WOOD CUT BY SPECIES - 0001's cubic feet in years ending March 31st

1955 1956	14,093 14,374 738 459 3,872 5,321 86,664 30,528 33,679 175,666 205,320 3,001 2,401 3,22 32	7,506 7,437 2,265 4,441 12,955 16,921 1,802 1,813 552 925	25,081 31,536 25,081 31,536 334,806 379,888 11,473 12,039
1954 1	13,223 14 4,368 3 75,488 8 27,612 3 163,447 17.	8,589 2,207 15,56 1,293 691	286,605 30 28,536 2 315,141 33 10,756 1
1953	11,860 197 5,808 81,644 34,562 155,873 3,396	8,623 3,043 14,272 1,577	293,352 28,483 321,835 10,428
1952	16,057 234 8,933 108,859 34,334 251,831 10 4,677	7,892 3,592 22,049 1,530 1,335	424,936 36,398 461,334
1921	12,547 96 6,679 85,604 30,605 207,318 673	6,679 2,361 12,478 1,145	343,530 23,231 366,761
1950	9,418 5,753 2,753 2,753 2,58,175 2,586 134,310 5,719	6,303 1,976 1,976 3 6,036 1 1,148	1 234,098 7 16,628 3 250,727
1949	3 13,802 2 6,299 5 81,862 5 30,459 7 1,546 1 1,546	2,541 3,2,499 6,13,653 1,061 5,1061	1 308,761 0 23,807 1 332,568
1948	63 15,003 39 180 31 5,272 64 85,545 14 26,315 45 208,678 4 1,951	92 4,764 97 2,053 90 11,576 20 1,652 80 1,755	45 342,951 24 364,751 00t included
ES 1947	11,563 139 139 139 137 138,964 130 138,645 1,185	4,092 1,797 14,190 1,020 1,020	311,845 21,679 es. 333,524 ue
SPECIES	Balsam Gedar Hemlock Jack Pine R and W Pine Spruce Tamarack Fuelwood	HARDWOODS Birch Maple Poplar Fuelwood. Others	Softwoods All Species Total Value (\$000's export

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VOLUME OF WOOD CUT BY SPECIES — 000°s cubic feet in years ending March 31st

	9		044	170	900	350	101	702	935	73	20	399		43	65	80	03	4	-	25	4.0	23	87	0.2	44	96 45 41	16
	1966										20						3,203									342,196 43,645 385,841	13,4
	1965	7.07	11,434	2 178	00,120	7 7 7 07	17	24.769	195,017	86	10	435	-	104	480	359	3,332	8,983	-	30	278	8,459	348	20,654	1,166	332,014 44,195 376,209	115,417
9	1964	016 01	10,219	3 032	02 200	6.446		24,409	183,756	28	1,57	454	i c	SE	5/5	483	3,732	8,703	7 6	77	797 =	7,649	355	25,995	1,162	310,765	
000	1903	11 174	105	1.841	78 485	6,029		21,930	182,327	39	1 007	170	100	100	404	2/2	2,473	770,0	7 01	010	007	0,03/	9/7	706, 27	1,137	302,758 43,092 345,850	
1089	7001	12.316	341	2,429	70,903	5,291		17,606	178,063	36	005		39	250	175	175	1,734	647.60	100	246	177	2000	707 10	007617	1,100	287,894 37,707 325,601	
1961		4.766	331	2,780	76.857	5,037		19,150	191,047	/2	1.476		109	469	300	784	6.972	6	36	196	787	230	19 25	1 200	70767	311,519 35,593 347,112	2 1 1 1
1960		13,051	268	3,768	78,243	6,188		22,300	186,920	07	1.525		83	365	273	1 476	7.397		27	256	4 851	177	10 772	1 2 10	19417	312,292 35,847 348,140 11,824	
1959							•		•		2,338		63	319	131	1.339	6,165	-10	15	196	3.639	127	17.729	1.630		264,253 31,355 295,608 10,155	1
1958		12,213	711	2,567	78,225	4,989		180 000	000,000	00	2,359		72	274	136	1,458	7,173	-44	12	192	4.261	133	20.205	1,532		301,390 35,448 336,838 11,412	of include
1957		. 13,766	284	5,050	766,66	6,150		207 307	56	. 22	2,536		46	295	091	1,314	6,312	ce	18	160	3,989	109	19,244	1,982		361,424 33,630 395,054 13,363	export levy n
SPECIES	SOFTWOODS	Balsam	Cedar	Hemlock	Jack Fine	Ked Pine	White Dine	Spruce	Tamarack	Xmas Trees	Fue Iwood	HARDW00DS	Ash	Basswood	Beech	White Birch	Yellow Birch.	Butternut	Cherry	E 1m	Maple	0ak	Poplar	Fue lwood	TOTALS	Softwoods All Species Total Value	(\$000's, expo

TIMBER CUT IN FOREST DISTRICTS in 000's Cubic Feet and \$000's in year ending March 31, 1966

s Value	\$618 1,344 7 327 1,687	1,792 1,792 1 974	3 1 39 1 785 1 257	3 787 7 1,531 8 810 791	331 5 564 0 180 202
Bonus	\$50 179 57 135	295 295 4 132	2 21 391 140	413 403 403 74	68 146 100 36
Dues	\$ 568 1,165 270 1,552	316 1,497 5 842	18 394 117	374 1,314 407 717	263 418 80 80 166
Total Volume	22,913 40,556 11,199 56,702	11,569 47,658 197 30,606	29 797 18,047 5,072	15,809 45,322 15,659 26,142	10,305 16,733 4,561 5,966
Misc.	1,775	204 275 111	185	00 ° 00 ° 00 ° 00 ° 00 ° 00 ° 00 ° 00	55 647 7 16
Fuel- Wood	28 83 30 74	112 97 26	128 128 115	26 32 84 212	63 90 112 8
Pulp- Wood	10,784 33,537 8,331 53,378	4,336 30,625 29,811	5,597 5,597 444	1,308 33,883 867 19,414	6,840 6,793 1,517 2,860
*Boom Timber	213	79 6	224	853 408 21 162	152 194 9 53
Tree- Length	1,990	2,509		2,261	
Saw- Logs	11,617 2,016 395 2,085	1,936 14,146 		7,670 10 939	3,105 7,399 3,029
Ontario Scale	1,134 2,436	5,002	15,766 12,098 4,207	13,605 230 14,674 825	1,610 2,916
Permits Issued	62 363 190 103	20 430 249	13 42 310 230	113 211 110 190	209 280 170 30
DISTRICTS	Chapleau Cochrane Fort Frances Geraldton	Gogama Kapuskasing Kemptville	Lake Sincoe Lindsay North Bay	Pembroke Port Arthur Sault Ste. Marie Sioux Lookout	Swastika Tweed

<sup>\*</sup>Includes Pilling, Poles, Dimension Timber.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

,					
Stumpage	\$10,756	12,191 13,514 11,565 10,297	12,182 11,297 12,091 12,506	13,446	
Bonus	\$2,175	2,573 2,774 2,578 2,346 2,789	2,674 2,522 2,790 2,848	2,961	ale.
Dues	\$8,581	9,619 10,740 8,987 7,950 9,493	9,509 8,775 9,302 9,658	10,485	(d)Includes Doyle Scale.
*Xmas Trees	27	64 116 23 6	2777	39	(d)Include
Total	315,141	379,888 395,054 336,838 295,608 348,140	347,112 325,601 345,850 360,065 376,209		
(d) Misc.	26,840 8,114	826 858 1,290 1,836 2,038	1,146 1,695 3,195 3,611 4,463	4,980	000's.
Fuel	3,647	4,214 4,517 3,891 3,968 2,744	2,678 2,091 1,965 1,614 1,601	1,143	trees in
Pulpwood	225,659	262,146 289,985 245,161 207,003 246,493	232,744 233,782 237,423 231,301 240,209	250,429	*Number of trees in
*Boom Timber	851 2,378	2,259 2,781 2,796 2,644 3,499	2,720 1,474 1,267 1,524 2,467	2,407	
Tree	• •	* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *	11,494	timber.
Sawlogs	12,119	33,326 22,967 27,762 28,687	52,303 30,001 38,321 56,368 59,000	55,106	dimension ti
Ontario Scale	46,025	77,087 73,986 55,938 51,470 64,571	55,521 56,558 63,678 65,647 68,469	60,282	poles,
Permits Issued	• •	5,403 5,192 5,051 5,421 5,096	5,114 4,534 4,664 4,392 3,095	3,330	*Includes piling,
Year	1954 1955	1956 1957 1958 1959 1960	1961 1962 1963 1964 1965	1966	*Incluc

TIMBER LICENCES as of March 31st (Areas in square miles)

	Number of	Area Under	Area Under	Area Under	Total Area
Year	Licences	Section 2		Section 4	Licensed
1956	748	5,140.05	88,273.71	170.26	94,585.02
1957		600.65	89,952.49	200.94	95,754.08
1958		354.80	98,149.46	181.33	103,685.59
1959		520.62	99,612.16	199.90	104,332.68
1960		,206.22	99,818.60	186.98	104,211.80
1961	569	3,647.71	99,103.39	137.79	102.888.89
1962	569	3,563.07	99,347.87	154.26	103,065.20
1963	581 3	3,102.08	97.830.82	152.36	101,085.20
1964		2,556.89	99,679.49	18.20	102,254.5
1965		2,564.98	103,347.49	4.90	105,917.3
1966	533	2,466.68	100,362.79	1.20	102,830.63
1967		2,006.5	104,269.9	• • • • •	106,276.4

## MILLS LICENSED as of March 31st

		lls (Daily 00's fbm)		eity	Ven-	Spec-	
Year	to 10	10-50		Pulp	eer	ialty	Total
1955	1,120	159	58	29		• •	1,366
1956	1,115	162	59	29	• •	• •	1,365
1957	1,120	160	57	29	• •		1,366
1958	1,124	158	57	29	• •	• •	1,368
1959	1,120	135	54	29	• •		1,338
1960	646	129	23	24	• •	• •	822
1961	668	121	27	24			840
1962	797	118	36	24	23	87	1,085
1963	774	129	31	27	24	76	1,061
1964	723	112	34	27	23	83	1,002
1965	714	132	50	26	28	97	1,030
1966	671	117	30	27	30	89	964
1967	655	113	25	26	28	97	944

## MANAGEMENT UNITS as of March 31st

Year	Crown	CROWN LAND Company	Total	AGREEMENT FOREST
1954	87	36	123	• •
1955	81	36	117	• •
1956	82	39	121	• •
1957	80	41	121	• •
1958	81	43	124	
1959	77	48	125	
1960	72	101	173	42
1961	76	79	155	42
1962	78	79	157	42
1963	79	77	156	42
1964	81	75	156	46
1965	81	71	152	59
1966	<b>7</b> 8	67	145	60
1967	78	66	144	60

## AREAS OF MANAGEMENT UNITS in Square Miles

1957 1958	129,551 125,397	78,837 85,034	208,388 210,431	• • •
1959 1960	83,295	100,408	183,703	224
1961 1962 1963 1964	83,900 84,108 85,216	96,983 99,987 97,342	180,883 184,095 182,558	230 234 244 245
1965 1966 1967	88,214.7 89,122.1 90,665.0	97,726.0 99,342.9	188,691.1 186,848.1 190,007.9	280.1 315.2 328.8

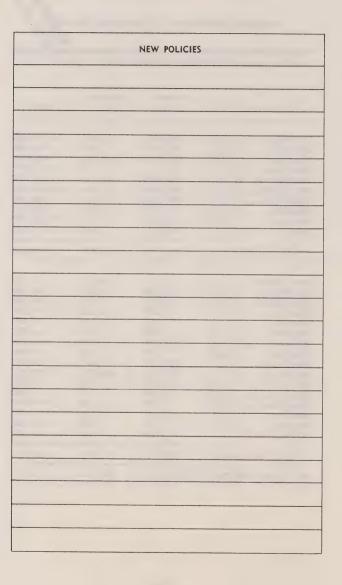
## PRIMARY GROWING STOCK in 000's Cubic Feet

Cubic-foot volumes of primary growing stock on productive forest land in Ontario by species and in two size classes.

Sanaina	4''-9''	10" up	
Species	d, b, h.	d. b. h.	Total
White pine	759, 884	3, 136, 869	3, 896, 753
Red pine	262, 259	859, 182	1, 121, 441
Jack pine	13,637,962	6, 486, 599	20, 124, 561
Pitch pine	90	132	222
White spruce	2,844,250	5, 054, 764	7,899,014
Black spruce	38,609,370	5, 656, 094	44, 265, 464
Balsam fir	7,548,699	1,875,756	9, 424, 455
Hemlock	349, 745	1,059,874	1, 409, 619
White cedar	1, 413, 148	1,605,967	3,019,115
Red cedar	1,638	545	2, 183
Larch	177, 764	25, 025	202, 789
Total Conifers	65,604,809	25, 760, 807	91, 365, 616
Sugar maple	1,917,892	4, 488, 726	6, 406, 618
Soft maple	460, 542	405, 293	865, 535
Yellow birch	503, 134	3, 682, 764	4, 185, 898
Beech	183,503	446, 277	629, 780
Elm	346, 282	723, 814	1,070,096
Ironwood	172, 359	22, 294	194, 653
Red oak	228, 796	240, 059	468, 855
White oak	21, 837	34, 385	56, 222
White birch	10,026,642	6, 188, 709	16, 215, 351
Poplar	13,709,143	14, 373, 889	28, 083, 032
Ash	351, 292	268, 479	619,771
Basswood	102, 957	279,049	382,006
Black cherry	59, 881	28, 637	88,518
Butternut	1,388	3,601	4, 989
Hickory	24, 375	15, 342	39, 717
Other hardwoods	5, 024	1, 476	6,500
Total Hardwoods	28, 115, 047	31, 202, 794	59, 317, 841
TOTAL ALL SPECIES.	93,719,856	56, 963, 601	150, 683, 457

ANNUAL ALLOWABLE CUT in 000's Cubic Feet so of the annual allowable cut or Volumes of the annual allowable cut on productive forest land in Ontario by species and ownership groups.

Species	Crown land	Patented land	Total
White pine	32, 254	13,737	45, 991
Red pine	13,871	3, 216	17,087
Jack pine	413, 427	16, 332	429, 759
Pitch pine		6	6
White spruce	105, 027	12,711	117, 738
Black spruce	551, 794	21, 943	573,737
Balsam fir	139, 345	19, 912	159, 257
Hemlock	5,031	5, 430	10, 461
Cedar	15, 893	12, 687	<b>28,58</b> 0
Larch	2, 459	849	3, 308
Total Conifers	1, 279, 101	106, 823	1, 385, 924
Sugar maple	30, 476	42, 957	73,433
Soft maple	1,725	26, 825	28,550
Yellow birch	37, 858	12,534	50, 392
Beech	1,687	4,611	6, 298
Elm	675	16, 606	17, 281
Ironwood	573	1,984	2, 557
Red oak	149	4,950	5,099
White oak	6	673	679
White birch	263, 626	31,863	295, 489
Poplar	702, 313	140, 798	843, 111
Ash	1,774	6,638	8, 412
Basswood	1, 489	7,973	9,462
Black cherry	115	1, 102	1, 217
Butternut		92	92
Hickory	6	729	735
Other hardwoods	1,720	91	1,811
Total Hardwoods	1, 044, 192	300, 426	1, 344, 618
TOTAL ALL SPECIES.	2, 323, 293	407, 249	2,730,542



## COMMITTEES

#### COMMITTEES ASSISTED BY HEAD OFFICE PERSONNEL

#### FISH AND WILDLIFE BRANCH

Advisory Comm for Lake Erie Fisheries Research

Advisory Comm for Lake Huron Fisheries Research

Advisory Comm for the Harkness Lab for Fisheries Research

Advisory Comm for the Lab of Experimental Limnology

Advisory Committee on Recreational Land Use Planning Advisory Council to the Ontario Forest Technical School

Atlantic Flyway Council --- Technical Committee

American Ornithologists' Union --- Local Committee for 1967 Meeting.

Canada Land Inventory Co-ordinating Sub-Committee

Canada Fur Council

Canadian Council of Resource Ministers

Canada-Ontario Advisory Committee on Forest Research

Conservation Council of Ontario

Federal-Provincial Advisory Committee --- Resource Development Agreement

Federal-Provincial Committee on Ontario Fisheries

Fish and Wildlife Advisory Committee to Ontario St. Lawrence Development Commission

Great Lakes Deer Group

Interdepartmental Committee on Pollution --- Subcommittee on Food Processing and Industrial Waste.

Interdepartmental Committee on Wildlife Management and Research (Conjoint Committee --- Guelph University, Department of Agriculture and Lands and Forests)

Interdepartmental Rabies Committee (Federal and Provincial Departments of Health and Agriculture, and Ontario Dept. of Lands and Forests)

Minister's Advisory Committee on Indian Affairs

Midwest Pheasant Council (Association of Midwest Fish and Game Commissioners

Mississippi Flyway Council --- Technical Committee International Great Lakes Fishery Commission ---

--- Sea Lamprey Control and Research Committee

--- Lake Superior Committee

--- Lake Huron Committee

--- Lake Erie Committee

--- Lake Ontario Committee

Ontario Council of Commercial Fisheries

Ontario Humane Society --- Committee on Private Zoos Ontario Waterfowl Research Foundation --- Scientific Advisory Board

Ontario Trappers' Association --- Fur Committee

International Association of Game, Fish and Conservation

Commissioners --- Arrangements Committee --- Program Committee

Educational Leave Committee

#### FOREST PROTECTION BRANCH

Advisory Comm on Pollution Control --- Sub-Comm on Pesticides. Herbicides and Fertilizers

Air Pollution Control Association

Air Transport Association of Canada

Canadian Institute of Forestry --- Youth Training, Fire Control Canadian Standards Association --- Comm on Fire Hose Couplings Conservation Business Management Association Entomological Society of Canada

Entomological Society of Canada National Association of Fleet Administration

National Fire Protection Association --- Forests Comm

National Research Council --- Associate Comm on Forest Fire Protection

North American Forestry Commission --- Fire Control Working Group

Ontario Forestry Association --- Forest Fire Prevention Comm Ontario Professional Foresters Association

Ontario Shade Tree Council --- Technical Comm.
Western Forestry and Conservation Association.

#### LANDS AND SURVEYS BRANCH

Administrative sub-committee on Townsites
Advisory Council on Surveys
Association of Ontario Land Surveys --- Member of Council
Canada Land Inventory Co-ordinating sub-committee
Canadian Advisory Council on Cadastral Surveys

Canadian Permanent Committee on Geographical Names Co-ordinating Committee on studies of Northern Ontario Water Resources (Ontario-Canada)

Federal and Provincial Government Survey Officials Federal-Provincial Rideau Study Committee International Boundary Commission

International Great Lakes Levels Board --- shore property sub-committee

International Hydrological Decade Interprovincial Boundary Commissions Lake of the Woods Control Board

Mapping Liaison Committee

Mining and Access Roads Committee

National Advisory Committee on Recreational Land Inventory Northern Ontario Transportation Study Committee

Ontario Water Resources Liaison Committee

Private Lands Liaison Committee Public Agricultural Lands Committee

Water Front Technical Committee (under Metropolitan Toronto).

#### LAW BRANCH

Fed-Prov Advisory Comm on Resources Management.

#### OPERATIONS BRANCH

American Association for Conservation Information Canadian Association of Purchasing Agents

Canadian Public Relations Society --- Seminars Comm on Management

Canadian Society of Safety Engineering --- Board of Governors Conservation Business Management Association

International Association of Game, Fish and Conservation
Commissioners --- Vice-Chair, Communications Comm
International Order of Hoo-Hoo, Toronto Club No. 53 --- First

Vice-Pres

International Rescue and First Aid Association --- Past Pres, Board of Directors, and Executive Comm National News Week (Toronto Men's Press Club)

North American Conservation Hall of Fame --- ist Vice-Pres North-East Fish and Wildlife Association --- Information and Education Section

Sheridan Park Research Community

#### PARKS BRANCH

Canadian Institute of Forestry
Fed-Prov Parks Conference
Federation of Ontario Naturalists
Intergovernmental Comm on Recreation and Wildlife (C.C.R.M.)
Northern Ontario Transportation Study Committee
Ontario Conservation Council --- Parks Comm, Research Comm
Ontario Forestry Assn --- Forest Fires Prvention Comm
Quetico-Superior Joint Advisory Comm
Tri-County Niagara Escarpment Scenic Drive Comm
Wasaga Beach Advisory Comm --- Chairman.
Water Resources Liaison Comm.

#### RESEARCH BRANCH

Advisory Comm for Lake Erie Fisheries Research Advisory Comm for Lake Huron Fisheries Research Advisory Comm for the Harkness Lab for Fisheries Research Advisory Comm for the Lab of Experimental Limnology American Fisheries Society Canada Comm on Freshwater Fisheries Research Fed-Proy Great Lakes Research Comm

Great Lakes Deer Group Great Lakes Fishery Commission

--- Advisory Comm

Commission

--- Scientific Advisory Comm
--- Sub-Comm on Lake Erie

--- Sub-Comm on Lake Huron --- Sub-Comm on Lake Ontario

--- Sub-Comm on Lake Superior

Great Lakes Institute (University of Toronto)
Guelph University --- Dept of Agriculture --- Dept of Lands and
Forests Co-joint Comm

Lake Erie Council of Commercial Fisherman

Lake Erie Fish Management Comm Lake Ontario Fisheries Management Comm (Ontario-New York) Midwest Wildlife Conference --- Upper Great Lakes Fishery

Mississippi Flyway (Research) Council National Advisory Comm on Forest Land North American Wildlife Conference Northeastern Forest Tree Improvement Conference --- Site Evaluation Comm

Northeast Wildlife Conference

Ontario Agricultural College Comm on Correlation of Soil and Site Ontario Council of Commercial Fishermen

Ontario Research Foundation

--- Advisory Comm on Research in Forestry
--- Advisory Comm on Research in Fish and Wildlife

--- Quality Wood Comm

Ontario Waterfowl Research Foundation --- Scientific Advisory

#### TIMBER BRANCH

American Society of Photogrammetry --- Photo Interpretation Comm

Canada Comm on Forest Tree Breeding Canada-Ontario Forest Research Comm

Canadian Institute of Surveying --- Air Photo Interpretation

--- Sub-Comm on Equipment and Techniques

--- Air Photo Interpretation of Forestry and Wildlife Conservation Council of Ontario

Ontario Economic Council

--- Comm on Rural Land Development
--- Comm on Forest Based Industry

Ontario Forestry Association --- Board of Directors

--- Resources Rangers Advisory Comm Ontario Professional Foresters Association

--- Private Lands Management

--- Forest Management

--- Practice and Ethics

--- Public Relations

Photogrametria --- Editorial Comm

Society of American Foresters

--- Forest Mensuration Group

--- U.S. Region Nine Nurserymen's Association.

## COMMITTEES ASSISTED BY FIELD OFFICE PERSONNEL

#### CHAPLEAU DISTRICT

Advisory Comm on Recreational Land Use Planning Chapleau Area Chamber of Commerce - Committee Member

#### COCHRANE DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Lands Comm,

#### FORT FRANCES DISTRICT

Advisory Comm on Recreational Land Use Planning Quetico-Superior International Joint Advisory Comm.

#### GERALDTON DISTRICT

Advisory Comm on Recreational Land Use Planning Geraldton Chamber of Commerce (Secretary-Treasurer) Geraldton Industrial Development Comm Longlac Conservation School Marathon Conservation School Search and Rescue Unit

#### GOGAMA DISTRICT

Public Agricultural Lands Sub-Comm Recreational Land Use Planning Comm.

#### KAPUSKASING DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Land Use Comm Brunetville Rehabilitation Liaison Comm Industrial Development Comm Planning Boards (Kapuskasing and Hearst) Winter Employment Comm.

#### KEMPTVILLE DISTRICT

ARDA Comms in Leeds, Lanark, Grenville, Dundas, Stormont, Glengarry, Prescott and Russell and Carleton Counties Cataraqui Region Conservation Authority - Reforestation Advisory Comm

Conservation Council of Stormont, Dundas and Glengarry Eastern Ontario Development Council
Gananoque River Waterway Association

Interprovincial Conservation Council
Ontario Federation of Agriculture (Leeds, Carleton)
Ontario Federation of Anglers and Hunters - Zone 4

Ontario Federation of Angiers and Hunters - Zone 4 Ontario Forestry Association - Tree Farm Comms in Glengarry and Lanark Counties Raisin River Conservation Authority Rideau River Conservation Authority

Reforestation Comm for County Councils of Leeds and Grenville: Dundas, Stormont and Glangarry; Prescott and Russell; Carleton and Lanark.

Reforestation Comms for Township Councils of Torbolton, Marlborough, Williamsburgh and Cumberland

Seaway Valley Travel Council

Soil and Crop Improvement Association --- Land Use Comms for Eastern Ontario and for Leeds, Grenville, Glengarry, Russell, Stormont and Prescott Counties.

South Nation Conservation Authority

St. Lawrence Parks Commission --- Fish and Wildlife Advisory Comm.

#### KENORA DISTRICT

Agricultural Lands Comm (ARDA) Dryden Conservation Camp --- Advisory Comm Dryden High School Forestry Course --- Advisory Comm Ontario Professional Foresters Association --- Management Planning Comm Recreational Zoning Comm.

#### LAKE ERIE DISTRICT

Ausable Conservation Authority --- Forestry Advisory Board Big Creek Conservation Authority - Fish & Wildlife Advisory Board Catfish Creek Conservation Authority --- Forestry Advisory Board Grand Valley Conservation Authority --- Reforestation Comm Great Lakes Fishery Commission --- Research and Management

Comm, Lake Erie Research and Management Comm Haldimand Agricultural Committee

Lake Erie Fisheries Research Advisory Comm

Lake Erie Regional Advisory Board

Lake St. Clair Regional Advisory Board

Lincoln County Reforestation Comm

Lower Thames River Conservation Authority --- Forestry Advisory Board Middlesex County Forestry Comm

Niagara Peninsula Conservation Authority --- Reforestation Comm Niagara Regional Advisory Board

Norfolk County Reforestation Comm

Ontario Professional Foresters Association --- Forest Management Comm:

Otter Creek Conservation Authority --- Forestry Advisory Board Sydenham Valley Conservation Authority --- Forestry Advisory Board

Upper Thames River Conservation Authority --- Forestry Advisory Board.

#### LAKE HURON DISTRICT

Ausable Valley Conservation Authority --- Forestry Advisor Hamilton Region Conservation Authority --- Forestry Advisor Saugeen Conservation Authority --- Forestry Advisor

#### LAKE SIMCOE DISTRICT

ARDA Comms for Ontario and Simcoe Counties Camp Hendrie and Camp Hillsdale Advisory Comm (Dept of Reform Institutions)

Canadian Institute of Forestry, Southern Ontario Section Central Lake Ontario Conservation Authority --- Land Use,

Water Control and Reforestation Advisory Board

Central Ontario Regional Advisory Board

Credit Valley Conservation Authority --- Reforestation and Land Use Advisory Board Essa Township Conservation Comm

Lake Simcoe and District Maple Syrup Producers Association Metropolitan Toronto and Region Conservation Authority ---Reforestation and Land Use Advisory Board

Minister's Advisory Comm on Wasaga Beach

Reforestation Comms of County Councils in Simcoe, Dufferin, York and Ontario Counties.

Wasaga Beach Interdepartmental Study Comm

#### LINDSAY DISTRICT

Canadian Institute of Forestry --- Research Communications Comm: Forest Management Comm

Central Lake Ontario Conservation Authority --- Land Use, Water Control and Reforestation Advisory Board

Durham and Northumberland Counties --- Reforestation Comm Ganaraska Region Conservation Authority --- Forestry Advisory

Otonabee Region Conservation Authority --- Reforestation and Land Use Advisory Board; Wildlife Advisory Board

Victoria County --- Reforestation and Soil Conservation Comm; ARDA Comm.

Peterson Trail Conservation Association

#### NORTH BAY DISTRICT

Agricultural Lands Comm Canadian Institute of Forestry Recreational Land Use Planning Comm. Canadian Council of Resource Ministers (Supply and Demand Pilot Project)

#### PARRY SOUND DISTRICT

Agricultural Land Use Comm Federation of Ontario Naturalists --- Jr. Naturalist Bulletin Muskoka, Parry Sound and Nipissing Maple Syrup Producers' Assn

North Georgian Bay Advisory Comm

Parry Sound Anglers and Hunters Association Recreational Land Use Planning Comm (Parry Sound and

Muskoka). Regional Development Board, Ont. Regional Development Program

#### PEMBROKE DISTRICT

Canadian Institute of Forestry - program comm County of Renfrew Conservation Comm Ontario Professional Foresters Association

Opeonge Line Development Association Renfrew County ARDA Advisory Comm.

#### PORT ARTHUR DISTRICT

Lakehead Campers Association
Lakehead College of Arts, Science and Technology --- Forestry
Comm

Private Lands Liaison Comm Quetico-Superior Joint Advisory Comm Thunder Bay Fish and Game Association.

#### SAULT STE. MARIE DISTRICT

Agricultural Comm
Agricultural Resources Development Association
Agriculture and Conservation Comm - Kiwanis
Canadian Institute of Forestry
Ontario Professional Foresters Association --- Council
Recreational Land Use Planning Comm
Search and Rescue Unit

#### SIOUX LOOKOUT DISTRICT

Agricultural Comm Recreational Land Use Planning Comm. Sioux Lookout Resource Rangers

#### SUDBURY DISTRICT

Manitoulin Island Conservation Advisory Comm North Georgian Bay Recreational Reserve Comm Recreational Land Use Planning Comm

#### SWASTIKA DISTRICT

Advisory Comm on Recreational Land Use Planning Agricultural Comm. Agricultural Lands Comm Search and Rescue Unit

### TWEED DISTRICT

Cataraqui Region Conservation Authority --- Environmental Sciences Advisory Board Joint Commercial and Sport Fish Comm for the Bay of Quinte Moira River Conservation Authority --- Wildlife Advisory Board Napanee River Conservation Authority --- Forestry Advisory Board

Renfrew County --- Agriculture and Conservation Comm; Advisory Comms to County ARDA --- Frontenac, Prince Edward, Hastings, and Lennox and Addington.

#### WHITE RIVER DISTRICT

Canadian Institute of Forestry Recreational Planning Comm. Ontario Professional Foresters Assn --- Management Planning Comm

## ONTARIO FOREST TECHNICAL SCHOOL

Advisory Council to Ontario Forest Technical School Canadian Council of Technical Forestry School Executives

NEW POLICIES

AREA AND POPULATION BY PROVINCES populations in 000°s

*1967	7,167	5,873	758	621	109	501	965	958	1,493	1,952	4	20,441
1961	6,236	5,259	737	598	105	458	922	925	1,332	1,629	38	18,238
1921	4,597	4,055	642	515	86	361	776	831	939	1,165	25	14,009
1941	3,787	3,331	577	457	98	•	729	895	296	817	16	11,506
1931	3,431	2,874	512	408	88	•	200	921	731	694	13	10,376
1921	2,933	2,360	523	387	00 00	•	610	757	2888	524	12	8,787
1911	2,527	2,005	492	351	93	•	461	492	374	392	15	7,206
1891	2,114	1,488	450	321	109	•	152	•	•	86	86	4,833
1871	1,620	1,191	387	285	94	•	25	:	•	36	48	3,689
ProvinceArea in Sq. Mi. Date entered Confederation	Ontario	Quebec594,860		New Brunswick 27,985 July 1, 1867	P.E.I. 2,184	Newfoundland155,364 Mar. 31, 1949	Manitoba246,512 July 15, 1870	Saskatchewan251,700 Sept. 1, 1905	Alberta	British Columbia366,255 July 20, 1871	Ferritories**1,511,979	CANADA3,845,774

<sup>\*</sup>Estimate of Dominion Bureau of Statistics, July 1.
\*\*Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

## HISTORICAL HIGHLIGHTS

## Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year,
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department establisted to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.
  Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico. a forest reserve in 1909. established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E.J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established. Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region). The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management begain in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private landowners.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks. Lands and Law created. Division of Lands and Recreational Areas abolished

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised. Silviculture becomes the third Branch in Division of Timber. Land Use Planning Section created in Lands and Surveys.
- 1959 Divisions re-named Branches and Branches re-named Sections as of December 1st. Law and Personnel become Branches.

- 1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.
- 1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.
- 1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.
- 1963 Land Acquisition Section created in Lands and Surveys.

1964 Conservation Authorities Branch transferred to Department of Energy and Resources Management on April 1st.

Accident Control Section created in Operations Branch to administer The Logger Safety Act and be responsible for Workmen's Compensation. Hunter Safety Training Programme, Parks safety programme and the Department's first aid and safety programmes.

- 1965 Land Use Planning Section, Lands and Surveys Branch, merged with Land Acquisition Section as Land Acquisition and Planning Section.
- 1966 The Woodlands Improvement Act was passed into law, authorizing the Minister of Lands and Forests to enter into agreements with land-owners under which tree planting and woodland improvement work may be done by the Department.

G.H.U. Bayly appointed Deputy Minister. Regional Director appointed at Maple for Southern Ontario, additional to directors at Sudbury (North-Eastern) and Port Arthur (North-West-

ern). Regional Forester in South-Central, only.

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